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OF JAPAN

FOR

THE YEAR 1896.

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CONTENTS.

CLIMATIC REVIEW

FOR

THE YEAR 1896.

In compiling the present review the principal data made use of are the monthly and yearly meteorological reports of 11 stations of the first order where the hourly observations are taken and those of 45 stations of the second order making six-daily observations at 2 am, 6 am, 10 am, 2 pm, 6 pm and 10 pm.

The general distribution of atmospheric pressure and temperature is shown on the Plates A I—A XXVI by means of isobaric and isothermal lines.

AIR TEMPERATURE.

The mean annual temperature was about the normal, being highest 22° at Naha and lowest 5° at Tokachi and Kushiro. The isothermal lines in Hokkaido showed a striking contrast in the thermal distributions on land and seashore, and elsewhere no discrepancy was noticeable.

The yearly maximum temperature did not rise above 25°, everywhere in the Empire with an single exception at Naha, yet rose above 20° in the southwest; the minimum was mostly above 10°, except in the central region of Hokkaido and the north where it was below the freezing point.

The extreme maximum temperature 36°.4 occurred at Kanazawa on the 18th of August and the extreme minimum —35°.2 at Tokachi on the 20th of February.

Maximum daily ranges varied from 34°.7 at Tokachi on the 24th of February to 4°.3 at Erimo on the 24th of March.

The following table contains the details concerning the air temperature in each month :

Month	Mean °C				Absolute °C						Maximum Range °C						Deviation from Normal
	Highest	Place	Lowest	Place	Max.	Place	Day	Min.	Place	Day	Max.	Place	Day	Min.	Place	Day	
January	15	Naha	—10	Tokachi	24.0	Naha	26	—31.8	Tokachi	20	26.7	Tokachi	16	6.9	Erimo	23	above (except whole S coast and Srn Islands)
February	16	Naha	—12	Tokachi	23.2	Naha	8	—35.2	Tokachi	20	34.7	Tokachi	24	6.0	Erimo	4	
March	17	Naha	— 5	Kamikawa	26.8	Naha	30	—28.9	Tokachi	22	31.1	Tokachi	22	4.3	Erimo	24	below
April	23	Naha	4	Tokachi	29.4	Naha	30	—11.1	Tokachi	3,4	25.6	Tokachi	7	9.4	Naha	9	above (extreme SE)
May	23	Naha	8	Nemuro	31.1	Naha	31	— 4.1	Tokachi	3	30.4	Tokachi	9	8.2	Nagatsuro	31	above (N)
June	27	Naha	10	Nemuro	33.4	Matsuyama	27	1.9	Kamikawa	6	24.2	Kamikawa	13	7.2	Nagatsuro	5	above
July	28	Naha	14	Nemuro	35.4	Kumamoto Miyazaki	23 29	5.6	Kamikawa	3	20.0	Kamikawa	3	7.4	Nagatsuro	11	below (except Naha)
August	28	Naha	18	Nemuro	36.4	Kanazawa	18	3.1	Kushiro	26	16.9	Tokachi	8	7.8	Saga	10	
September	27	Naha	14	Tokachi	35.7	Taihoku	3	0.8	Kushiro	30	21.6	Tokachi	30	7.1	Erimo	22	
October	25	Naha	6	Tokachi	34.0	Taihoku	2	— 7.0	Tokachi	30	23.9	Tokachi	18 25	8.8	Erimo	22	
November	21	Naha	1	Tokachi	28.8	Taihoku	25	—13.9	Tokachi	21	23.3	Tokachi	3	9.5	Erimo	1	
December	17	Naha	— 7	Kamikawa	29.0	Koshun	20	—26.7	Tokachi	23	24.1	Tokachi	23	9.6	Erimo	30	below (N)

ATMOSPHERIC PRESSURE.

The mean aunual pressure was generally above the normal, being highest 763 mm. over Western Korea and lowest 759 mm. over the extreme northeast. All the isobaric lines faced their convexities towards the northeast.

The absolute maximum pressure of the year was 777,4 mm. at Tokio on the 23rd of February the minimum 719,3 mm. at Matsuyama on the 18th. of August.

States of atmopheric pressure in each month are exhibited in the following table :

Month	Mean mm.				Absolute mm.					
	Highest	Place	Lowest	Place	Maximum	Station	Day	Minimum	Station	Day
January	767	Western Korea	753	Eastern extremity	773	Kumamoto	23	733	Nemuro	11
February	770	Western Hokkaido	762	Off East coast	777	Tokio	23	741	Kushiro	11
March	768	Western Korea	760	Okhotsk Sea	775	Hakodate Ishinomaki	27 17	741	Nemuro	1
April	764	Southeast coast	760	Naha Vladivostok	773	Miyako Tokachi	24	744	Soya	8
May	761	Extreme West	755	Vladivostok	774	Tsu	10	740	Soya	4
June	759	Southeast coast	754	Vladivostok	769	Tokachi	6	725	Naha	3
July	757	Eastern Hokkaido	753	Vladivostok	766	Nagano Kofu	23	725	Naha	22
August	760	Eastern Hokkaido	755	Vladivostok	769	Nemuro	25	719	Matsuyama	18
September	760	Eastern extremity	757	Extreme South	772	Niigata	23	729	Kochi	11
October	764	Whole Korea	761	Whole Hokkaido	773	Miyako	24	744	Nemuro	10 19 20
November	766	Western Korea	759	Okhotsk Sea	772	Akita	21	735	Nemuro	27
December	769	Western Korea	758	Okhotsk Sea	775	Tokio	26	736	Soya	1

WINDS.

The prevailing directions of winds were generally northerly or westerly, the maximum wind velocity greater than 43 m.p.s. was observed at Tsu on the 30th of August, the direction being the southeast.

Details in respective month are tabulated as follows :

Month	Prevailing direction	Maximum velocity $\frac{m}{s}$	Direction of maximum velocity	Station	Day
January	Nly—Wly	36.8	SSE	Suttsu	27
February	Nly—Wly	30.3	NW	Niigata	11
March	Nly—Wly	27.5	NW	Ishinomaki	20
April	Variable	28.9	SSE	Suttsu	24
May	Sly—Wly	36.0	SSE	Suttsu	22
June	Sly—Ely	33.7	W	Naha	3
July	Sly—Ely	29.1	SSE	Suttsu	1
August	Sly	43.1	SE	Tsu	30
September	Sly	42.3	E	Soya	12
October	Sly—Ely	30.2	NE	Nemuro	19
November	Nly—Wly	39.2	E	Soya	26
December	Nly—Wly	37.6	SW	Nagatsuro	30

WEATHER AND PRECIPITATION.

During the first three months very wet days and unsettled weather were experienced on the west and northwest coast, dry days along the Pacific. In the spring, however, those characteristics being disappeared, the whole country became generally wetty and the western provinces wer more wetty until midsummer. In August and September three severe storms visited this country, causing a great deal of damage in the South. From October again the west and northwest coast turned wettest region, and became remarkably wet as the winter season drew near.

The maximum yearly precipitation was 3449 mm at Gifu, the absolute maximum for 24 hourse having been 597 mm. at Hikone on the 7th of September. The yearly precipitation was generally above the normal, the maximum excess amounting to over 1500 mm. at Gifu; but it was below the normal in Korea Strait, the extreme southeast, Western Hokkaido and at Naha.

A summary view of weather and precipitation in respective month is exhibited in the following table:

Month	Fair			Cloudy			Rain (Snow)					
	I Decade	II Decade	III Decade	I Decade	II Decade	III Decade	I Decade	II Decade	III Decade	Max daily Amount mm.	Place	Day
January	South coast	Whole	Whole	—	—	—	(North)	—	(West and Northwest coast)	39	Niigata	21
February	Whole	Whole	Central Japan	—	—	—	—	—	(North) South	78	Kochi	9
March	South	—	—	—	—	—	(North)	(North) South	—	77	Miyazaki	3
April	North	North	Whole	—	—	—	South	South	—	123	Kochi	7
May	North	North	North	—	South	—	South	South	South	156	Kagoshima	28
June	North	North	—	—	—	South	South	South	South	115	Itsugahara	8
July	—	—	—	—	North	North	Whole	South	South	257	Gifu	20
August	—	North	South	Whole	—	North	—	South	—	194	Miyako	28
September	—	—	North	—	Whole	South	Whole	—	South	597	Hikone	17
October	—	Whole	Whole	South	—	—	South	—	—	166	Kochi	13
November	Whole	Whole	Whole	—	—	—	—	—	—	152	Wakayama	16
December	Whole	Whole	Whole	—	—	—	—	(Northwest coast)	(Northwest coast)	60	Kanazawa	6

AREAS OF LOW AND HIGH PRESSURE

IN

THE YEAR 1896.

From the study of the weather-charts issued by the observatory we have traced the tracks of areas of low and high pressure, as shown in the Plates B I—B XXIV.

All the documents used in this report refer to the regular telegrams despatched three times a day by all our meteorological stations. Beside these we have consulted the monthly reports and storm-records from the stations; thus most of the barometric readings are those at 6 am, 2 pm or 10 pm, reduced to sea level and to the standard gravity.

It may be noticed that in the annexed plates, circles intercepted the tracks of the areas of high and low pressure denote the positions of their centres at the epochs mentioned in the right-hand sides of them, and the numbers in the circles are the corresponding pressures in the sea level.

The tracks of the depressions whose minimum pressure fell below 740 mm. are shown by thick lines.

AREAS OF LOW PRESSURE.

In this year 73 areas of low pressure passed and the maximum frequency of the areas of low pressure occurs in the month of October, the minimum in the month of September. Most of them went east or northeastwards; only one in July, however, took unprecedented southward course over eastern Japan. Severe typhoons visited twice during August, both of them moved rather northwards, and the lowest barometric reading exhibited 715 mm.

The following table shows the monthly frequency of the areas of low pressure:

Month		First observed			Last observed			Path		Average velocity (in km.)	
		Day	Lat. N	Long. E	Day	Lat. N	Long. E	Length (in km.)	Duration (in hours)	Daily	Hourly
January	I	1	29°	129°	3	43°	145°	2554	48	1276	54
	II	8	42°	136°	8	41°	143°	639	16	958	40
	III	10	40°	137°	11	44°	146°	929	24	929	38
	IV	14	30°	128°	15	35°	140°	1336	24	1336	56
	V	17	38°	138°	18	44°	145°	986	24	986	41
	VI	19	35°	138°	22	42°	145°	1103	—	—	—
	VII	26	32°	126°	27	33°	138°	2381	16	3571	149
					30	44°	144°	1393	—	—	—
February	I	4	30°	130°	6	42°	145°	2264	56	970	40
	II	9	30°	130°	11	42°	146°	2381	48	1190	50
	III	12	32°	134°	13	36°	143°	1046	24	1022	43
	IIIa	12	36°	133°	15	40°	142°	1103	64	414	18
	IV	16	42°	133°	18	42°	142°	871	32	653	27
	IVa	17	37°	139°	17	35°	142°	407	8	1220	50
	V	19	30°	128°	20	34°	142°	1510	40	905	38
	Va	20	37°	134°	21	36°	144°	986	24	986	41
	VI	24	32°	126°	25	35°	138°	1915	40	1148	49

(to be continued)

Month		First observed			Last observed			Path		Average velocity (in km.)	
		Day	Lat. N	Long. E	Day	Lat. N	Long. E	Length (in km.)	Duration (in hours)	Daily	Hourly
February	VII	28	28°	130°	29	43°	144°	2671	40	160	57
March	I	3	30°	128°	5	44°	140°	2090	48	1044	41
					5	43°	145°	2554	64	958	40
	II	11	30°	129°	13	44°	145°	2671	56	1145	47
	III	17	29°	129°	17	31°	136°	754	16	1130	47
	IV	19	32°	126°	20	35°	138°	1683	32	1262	52
					20	43°	146°	2729	40	1638	68
	V	27	31°	128°	28	35°	141°	1393	24	1393	58
	VI	29	36°	131°	31	43°	145°	1742	40	1046	43
April	I	6	32°	127°	9	45°	143°	2147	48	1073	45
	II	10	43°	138°	11	45°	143°	407	24	407	16
	III	13	31°	127°	14	44°	144°	2322	24	232	97
	IV	18	33°	127°	20	34°	141°	871	40	522	22
	V	24	31°	127°	25	44°	144°	2207	32	1654	68
	VI	29	35°	130°	30	38°	142°	1103	32	828	34
May	I	3	32°	127°	4	45°	144°	2207	32	1654	68
	II	11	35°	127°	12	45°	142°	1683	24	1683	70
	III	15	26°	126°	17	34°	140°	1742	36	1161	49
					18	44°	140°	2497	60	819	41
	IV	19	26°	128°	23	36°	138°	2497	92	652	27
	V	25	33°	126°	26	45°	144°	2147	32	1611	67
	VI	28	30°	127°	30	35°	140°	2264	48	1132	47
					30	42°	139°	1870	48	934	40
June	I	31	33°	130°	1	44°	141°	1742	24	1742	72
	II	3	30°	129°	4	34°	141°	1046	16	1568	65
	III	7	35°	128°	9	45°	143°	1975	40	1184	49
	IV	12	35°	128°	—	—	—	—	—	—	—
	V	20	36°	133°	21	42°	144°	1278	40	767	49
	VI	23	32°	129°	24	33°	138°	929	24	929	38
					25	44°	145°	1858	48	929	38
	VII	27	36°	128°	27	41°	144°	1625	16	2437	101
	VIII	28	37°	129°	29	35°	127°	754	16	1130	47
	IX	30	38°	130°	1	41°	140°	929	24	929	38
July	I	2	33°	130°	3	34°	137°	580	32	434	18
	II	5	32°	126°	8	37°	140°	1915	64	718	31
					9	44°	141°	2207	88	601	25
	III	12	32°	134°	13	37°	141°	869	24	829	36
	IV	13	31°	127°	16	43°	145°	2322	56	995	41
	V	19	43°	137°	19	43°	141°	347	8	1042	43
	VI	25	43°	136°	26	34°	139°	1451	24	1451	61
	VII	27	35°	127°	29	45°	140°	1683	40	1010	41
	VIII	31	43°	133°	—	—	—	—	—	—	—
August	I	1	43°	132°	2	44°	145°	1046	24	1046	43
	II	3	41°	130°	3	42°	142°	1046	16	1568	59
	III	6	44°	132°	—	—	—	—	—	—	—
	IV	14	31°	127°	16	42°	139°	2614	48	1307	54
	V	16	25°	128°	19	43°	130°	1967	66	781	32
	VI	27	30°	131°	29	44°	144°	1967	48	1073	45
	VII	30	33°	135°	1	44°	143°	1568	43	859	36
September	I	4	33°	126°	5	45°	144°	2032	40	1219	43
	II	9	31°	131°	12	40°	140°	1975	80	592	25
October	I	5	35°	130°	5	36°	139°	871	16	1307	54
	II	6	32°	132°	7	40°	142°	1451	24	1451	61
	IIa	7	33°	137°	7	35°	138°	1746	8	524	22
	III	9	30°	130°	10	34°	140°	1046	16	1568	65
	IV	10	44°	140°	11	44°	145°	522	32	391	16
	V	12	30°	128°	13	34°	138°	1103	24	1103	45
	VI	14	42°	138°	15	42°	141°	871	24	871	36
	VII	18	27°	129°	19	42°	144°	2149	40	1289	54
	VIII	25	43°	134°	26	44°	142°	639	16	958	38

(to be continued)

Month		First observed			Last observed			Path		Average velocity (in km.)	
		Day	Lat. N	Long. E	Day	Lat. N	Long. E	Length (in km.)	Duration (in hours)	Daily	Hourly
October	IX	31	43°	139°	1	45°	145°	522	16	783	32
	X	31	32°	133°	7	40°	142°	522	24	522	22
November	I	4	42°	134°	5	44°	144°	754	20	905	38
	II	8	40°	136°	8	40°	142°	464	8	1393	58
	III	15	28°	126°	17	35°	141°	1625	40	976	41
	IV	21	26°	127°	23	35°	143°	1800	48	900	41
	V	25	29°	126°	27	42°	144°	2439	56	1046	43
	VI	27	43°	139°	28	43°	142°	238	8	713	29
	VII	29	32°	127°	30	45°	142°	1974	40	1181	49
	VIIa	30	33°	137°	—	—	—	—	—	—	—
December	I	14	43°	139°	15	44°	144°	407	16	610	25
	II	16	30°	127°	16	34°	138°	923	16	1384	58
					18	45°	143°	2257	48	1129	47
	III	20	32°	126°	21	42°	145°	2090	32	1433	65
	IV	26	44°	137°	27	45°	144°	581	16	871	36

AREARS OF HIGH PRESSURE.

In this year 47 areas of high pressure were noted, the maximum frequency in November, the minimum in August. Most of them appeared in the west and passed eastwards to the Pacific. In the high system that passed southern Japan in February the barometer has risen decidedly and the barometric height 777 mm, the maximum of this year was observed.

Month		First observed			Last observed			Path		Average velocity (in km.)	
		Day	Lat. N	Long. E	Day	Lat. N	Long. E	Length (in km.)	Duration (in hours)	Daily	Hourly
January	I	3	32°	127°	5	—	—	—	—	—	—
	II	13	34°	127°	14	—	—	—	—	—	—
	III	22	30°	127°	25	—	—	—	—	—	—
	IV	25	30°	129°	27	44°	145°	2207	40	1324	55
February	I	2	33°	127°	5	44°	144°	2207	72	736	31
	II	6	35°	128°	8	44°	141°	2954	48	1476	61
	III	15	31°	127°	20	44°	145°	2032	120	407	16
	IV	21	32°	127°	24	36°	140°	1276	72	425	18
March	I	1	33°	130°	3	40°	139°	1220	64	457	18
	II	6	32°	127°	12	41°	138°	2072	144	346	14
	III	15	33°	126°	17	38°	142°	1683	48	841	34
	IV	21	35°	127°	28	45°	143°	4414	168	630	27
April	I	2	35°	134°	6	36°	139°	522	96	130	5
	II	12	36°	134°	13	40°	142°	929	24	929	38
	III	16	38°	132°	19	34°	139°	1625	72	542	22
	IV	20	36°	129°	25	33°	140°	3368	120	673	29
	V	26	34°	127°	29	33°	134°	2380	72	792	32
May	I	1	37°	128°	3	35°	141°	1278	24	1278	54
	II	7	34°	128°	10	34°	139°	677	72	407	16

(to be continued)

Month		First observed			Last observed			Path		Average velocity (in km.)	
		Day	Lat. N	Long. E	Day	Lat. N	Long. E	Length (in km.)	Duration (in hours)	Daily	Hourly
May	III	13	34°	127°	16	37°	142°	1219	72	504	22
	IV	19	42°	144°	—	—	—	—	—	—	—
June	I	5	35°	128°	7	42°	143°	1858	48	929	38
	II	10	35°	133°	12	37°	139°	697	48	347	14
	III	15	33°	136°	17	42°	145°	1451	48	725	31
July	I	4	35°	127°	5	39°	142°	1625	28	1458	58
	II	11	37°	129°	12	40°	141°	1278	24	1278	54
	III	16	32°	127°	17	40°	141°	1800	24	1800	76
	IV	23	34°	138°	25	34°	129°	974	48	486	20
August	I	15	35°	141°	—	—	—	—	—	—	—
	II	24	45°	142°	—	—	—	—	—	—	—
September	I	3	45°	142°	—	—	—	—	—	—	—
	II	15	43°	145°	—	—	—	—	—	—	—
	III	24	35°	128°	25	38°	140°	1278	32	958	40
	IV	27	37°	129°	2	41°	142°	1451	120	290	13
October	I	11	35°	127°	13	41°	144°	1858	48	929	38
	II	17	37°	131°	18	37°	143°	1103	24	1103	45
	III	22	35°	129°	24	40°	144°	1625	56	706	29
	IV	28	34°	128°	31	36°	142°	1451	72	484	20
November	I	5	34°	127°	7	35°	138°	1103	48	551	23
	II	9	33°	127°	10	36°	135°	871	32	653	27
	III	12	34°	127°	14	39°	141°	1683	48	841	34
	IV	15	36°	128°	16	37°	142°	1393	32	1044	45
	V	19	35°	127°	22	43°	145°	2961	80	887	38
	VI	24	36°	128°	26	44°	144°	1915	48	958	40
	VII	28	33°	127°	30	42°	146°	2149	48	1069	45
December	I	1	35°	128°	—	—	—	—	—	—	—
	II	8	34°	128°	12	42°	145°	1975	96	493	20
	III	12	37°	128°	13	40°	143°	1510	40	905	54
	IV	15	36°	128°	16	39°	141°	1278	32	958	40
	V	18	36°	128°	19	37°	141°	1336	40	549	32
	VI	24	32°	127°	26	37°	141°	1451	56	621	25
	VII	30	30°	127°	—	—	—	—	—	—	—

FREQUENCY OF GALES.

The frequencies of the directions of gales observed in eight points of the compass are given in percentage.

Direction \ Month	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
NE	0	2	4	9	8	1	1	6	12	17	7	1
E	1	10	2	9	13	7	13	9	8	2	2	1
SE	1	5	1	14	10	12	8	14	14	4	2	1
S	3	4	8	24	23	55	45	35	24	15	9	6
SW	4	4	4	15	20	18	18	13	7	4	7	7
W	48	25	36	6	16	4	11	6	9	22	31	47
NW	32	30	28	6	3	1	0	6	9	27	30	31
N	11	20	17	17	7	2	4	11	17	19	12	6
Percentage of Observations	10	5	5	6	6	3	3	4	4	3	5	8

VERIFICATIONS OF INDICATIONS AND STORM WARNINGS

IN

THE YEAR 1896.

The indications of weather and wind direction for 24 hours in advance are issued every day at 4pm separately to all the meteorogical districts and verified by comparing the weather-charts published in the this period.

By adding one half of the partly justified one to the successes, the parcentage of verifications are obtained as follows:

WIND.

Month / Districts	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year
I	89	95	84	88	79	75	84	86	68	93	92	89	91
II	90	93	84	72	74	75	82	68	72	95	90	92	82
III	92	93	89	83	85	92	77	80	86	97	95	94	85
IV	89	88	89	85	82	92	85	92	93	92	92	92	85
V	85	79	77	82	94	82	63	69	61	87	71	81	78
VI	87	83	82	82	89	73	58	84	66	87	81	84	80
VII	82	65	73	82	82	85	63	77	71	80	79	82	77
Mean.	86	85	83	82	83	82	73	79	77	90	86	88	83

WEATHER.

Month / Districts	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year.
I	87	93	82	97	81	78	85	86	92	90	90	97	87
II	82	91	87	90	82	80	82	79	92	93	94	95	87
III	87	90	82	88	82	77	81	82	90	93	95	94	87
IV	92	98	92	95	92	83	90	84	89	88	95	94	91
V	60	95	89	78	90	77	87	79	80	90	95	97	85
VI	63	95	89	80	90	87	84	82	84	87	92	95	85
VII	77	88	84	78	76	82	79	74	80	92	97	95	84
VIII	78	93	86	85	88	81	84	79	87	90	94	95	87
Mean													

STORM WARNING.

Month	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year
Whole districts	77	75	62	82	81	79	85	93	47	72	85	87	77

The storm warnings are considered as justly verified whenever the wind force reachs 4(scale 0-6) at warned places or in a distance within 100 kilometres.

ON THE PRECIPITATION

IN

THE YEAR 1896.

The present report contains the account of the precipitation observed at several meteorological stations, county offices, town offices, village offices, light houses, etc., in the Empire during 1896. The plan of arranging the matters remains materially the same as in the peceding year. Thus firstly the distribution and classification of the raingauge stations in the whole Empire are given, and secondly the general account of the precipitation. Lastly there are annexed three tables, I of which contains the total amount of precipitation in each month as well as in the whole year, II the greatest daily amount in each month and III the number of the days with precipitation.

The rain-charts for several months as well as for the whole year are also given, so as to show at a glance the amount and distribution of precipitation over different portions of the country.

DISTRIBUTION OF THE RAINGAUGE STATIONS.

In the present year, the whole country is divided into eight large districts, and the raingauge stations are classified according to the basines of the rivers to which they belong, the order of tracing them being first along the main stream from its mouth to its source, then along a branch stream nearest to the mouth of the river, then along one next the nearest to the mouth and so on.

The eight districts are :—

I	Western Sea	(Western coast of Kiushū).
II	Southern Sea	(From Kiushū to Chōshi).
III	Eastern Sea	(From Chōshi to Nemuro).
IV	Inland Sea.	
V	Sea of Japan	(From Kiushū to Sōya-misaki).

This is further divided into three subdistricts, A the northern coast of Kiushū, B from Nagato to Wakasa, C east from Echizen.

VI	Tsugaru Strait.	
VII	Okhotsk Sea.	
VIII	Southern islands	(From Taiwan to the Southern Sea of Kiushū).

The number of raingauge stations which sent their reports to the Central Meteorological Observatory during 1896 was 842 in all. In the following table they are classified according to the prefectures to which they belong.

Taiwan		3	Hiogo	prefecture	18	Mie	prefecture	22	Fukui	prefecture	6
Okinawa	prefecture	13	Ōsaka	,,	20	Aichi	,,	31	Ishikawa	,,	13
Kagoshima	,,	7	Kioto	,,	21	Gifu	,,	25	Toyama	,,	8
Miyazaki	,,	23	Nara	,,	5	Shizuoka	,,	13	Nagano	,,	24
Kōchi	,,	15	Kumamoto	,,	16	Yamanashi	,,	20	Niigata	,,	23
Tokushima	,,	14	Saga	,,	9	Kanagawa	,,	7	Yamagata	,,	16
Wakayama	,,	25	Nagasaki	,,	18	Tōkiō	,,	5	Akita	,,	25
Ōita	,,	16	Fukuoka	,,	28	Saitama	,,	5	Fukushima	,,	20
Hiroshima	,,	43	Yamaguchi	,,	36	Gumma	,,	21	Miyagi	,,	13
Ehime	,,	18	Shimane	,,	12	Tochigi	,,	9	Iwate	,,	9
Kagawa	,,	23	Tottori	,,	19	Chiba	,,	4	Aomori	,,	13
Okayama	,,	23	Shiga	,,	12	Ibaraki	,,	3	Hokkaidō	,,	70

In the present year the number of the raingauge stations has increased than in the preceding year by 126. The actual change for several districts are given in the following schedule.

District	Number of the newly established stations.	No. of the aborished stations.	Increase.
I	6	1	5
II	45	2	43
III	12	0	12
IV	20	10	10
V	37	10	27
VI	11	0	11
VII	2	0	2
VIII	16	0	16
Total	149	23	126

Beside these numerous stations distributed over the Empire, reports were also obtained from four Corean stations and one Siberian station.

As the raingauge stations consisted of meteorological stations, country offices, town offices, village offices, light houses, schools, police offices, engineering inspecting offices and the raingauge stations belonging to voluntary observers, it was very difficult to fix the time of simultaneous observations. Most of them however used 10 am. as the observing time, and for meteorological stations, we have recalculated to that epoch so as to keep harmony with others. Thus by a certain day we mean the 24 hours from 10 a. m. of the civil day to 10 a. m. of the next civil day. Exception were light houses and stations belonging to the Fishery commission offices which used the noon, and the raingauge stations to the V Engineering Inspecting offices, and one at Inawashiro which used 8 a. m. and also one station Atami which used 10 p. m. for their observing time.

(The detailed list of the stations which is fully given in the Japanese text is omitted in this translation).

GENERAL ACCOUNT ABOUT PRECIPITATION.

During this year, the greatest total amount of precipitation was 5273 m.m. Nagamine (Gifu

prefecture). As the next we had 5096 mm. at Tokunoyama (Gifu prefecture), 4954 mm. at Kuzuhara (Gifu prefecture), 4383 mm. at Shiratori (Gifu prefecture), 4368 mm. at Wajiki (Gifu prefecture), 4156 mm. at Miwa (Gifu prefecture), 4081 mm. at Kuwao (Kōchi prefecture) etc.. The number of the stations where the precipitation exceeded 2000 mm. was 239; of these 14 were in I, 138 in II, 1 in III, 3 in IV (S), 23 in IV (N), 4 in V (A), 19th V (B), 32 in V (C), 2 in VI and 3 in VIII

The greatest amount (5273 mm.) in this year exceeded that in 1895 (3581 mm. at Owase). by 1692 mm. and was twice as much as that in 1894 (2876 mm. at Owase), and in fact it surpassed even the greatest amount in 1890 (4157 mm. at Kōchi).

The greatest total amount for each district was as follows:—

I	2782 mm.	Sato	(Kagoshima prefecture
II	5273 ,,	Nagamine	(Gifu ,,)
III	2086 ,,	Morioka	(Iwate ,,)
IV S. coast	2515 ,,	Tomogashima	(Wakayama ,,)
IV N. coast	3158 ,,	Nakakōchi	(Shiga ,,)
V (A)	2162 ,,	Soeda	(Fukuoka ,,)
V (B)	2636 ,,	Tochigi	(Tottori ,,)
V (C)	3752 ,,	Ōtori	(Yamagata ,,)
VI	2216 ,,	Shirakamizaki	(Hokkaido ,,)
VII	848 ,,	Sōyamisaki	(,, ,,)
VIII	2052 ,,	Hishicha	(Okinawa ,,)

The greatest monthly amount was 1402 mm. at Nagamine (Gifu prefecture). Next to this we have 1235 mm. at Kuzuhara (Gifu prefecture), 1192 mm. at Tokunoyama (Gifu prefecture), 1136 mm. at Sekigahara (Gifu prefecture), 1105 mm. at Tarue (Gifu prefecture) etc.. The greatest amount 1402 mm. was far greater than the greatest in 1895 (755 mm. at Owase) by 647 mm., while it fell short of that in 1894 (1656 mm. at Sama) by 254 mm.

The greatest monthly amount for each district was as follows:—

I	567 mm	(June)	Furuyu	(Saga prefecture)
II	1402 ,,	(September)	Nagamine	(Gifu ,,)
III	582 ,,	(,,)	Tanakura Daigo	(Fukushima ,,) (Ibaraki ,,)
IV S. coast.	634 ,,	(,,)	Tomogashima	(Wakayama ,,)
IV N. coast.	1034 ,,	(,,)	Yamakami	(Shiga ,,)
V (A)	480 ,,	(June)	Izugahara	(Nagasaki ,,)
V (B)	689 ,,	(July)	Saizio	(Hiroshima ,,)
V (C)	685 ,,	(,,)	Shiramine	(Ishikawa ,,)
VI	568 ,,	(,,)	Shirakamizaki	(Hokkaidō ,,)
VII	205 ,,	(September)	Sōyamisaki	(,, ,,)
VIII	614 ,,	(May)	Fuzato	(Okinawa ,,)

The greatest daily amount was 538 mm, at Hikone (Shiga prefecture), and exceeded that in the preceding year (410 mm. at Kado) by 128 mm. It was greater than the maximum daily

amount in 1894 (459 mm. at Kado) by 79 mm. and than that in 1892 (320 at Shizuoka) by 218 mm., while it was far less than the greatest daily amount in 1893 (747 mm. at Sama) by 209 mm.

The greatest daily amount for each district was as follows:—

I	208 mm.	(September)	Kōri	(Kagoshima prefecture)
II	470 ,,	,,	Kaminoziri	(Kōchi ,,)
III	188 ,,	,,	Daigo	(Ibaraki ,,)
IV S. coast	255 ,,	(August)	Yasuharashita	(Kagawa ,,)
IV N. coast	538 ,,	(September)	Hikone	(Shiga ,,)
V (A)	298 ,,	(August)	Maebara	(Fukuoka ,,)
V (B)	293 ,,	(August)	Kusaka	(Fukui ,,)
V (C)	300 ,,	(August)	Gamushi	(Hokkaido ,,)
VI	260 ,,	(September)	Kikouchi	(,, ,,)
VII	106 ,,	(October)	Tokoro	(,, ,,)
VIII	175 ,,	(May)	Nishisato	(Okinawa ,,)

The following table gives the mean monthly as well as annual amounts in several districts.

Mean amount (in mm.)

District	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
I	68	83	98	239	277	307	274	147	122	127	116	88	1946
II	49	114	106	228	246	207	326	234	491	179	174	60	2414
III	37	111	49	60	66	120	203	140	276	135	114	29	1340
IV S. coast.	36	70	76	146	175	150	259	163	210	136	92	59	1572
IV N. coast.	38	82	75	193	123	198	271	153	222	126	120	71	1672
IV total	37	79	75	180	136	185	261	156	219	129	112	68	1643
V (A)	44	79	90	205	180	295	265	178	69	81	101	124	1712
V (B)	89	139	92	152	92	226	281	171	158	122	140	166	1828
V (C)	146	107	92	99	64	140	308	161	210	190	149	179	1845
V total	117	116	92	126	83	179	297	165	181	159	141	168	1824
VI	65	87	53	89	60	116	281	121	202	150	92	72	1388
VII	27	16	24	46	46	76	59	101	175	110	61	33	774
VIII	69	153	82	99	394	98	211	61	72	251	112	58	1660

Here it may be remarked that mean annual amounts of the precipitation were above average except in the district VII. where it was a little below.

The following table contains the ratios of the monthly to the yearly amount in percentage;—

District	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
I	3.5	4.3	5.0	12.3	14.2	15.8	14.1	7.5	6.3	6.5	6.0	4.5
II	2.0	4.7	4.4	9.5	10.2	8.6	13.5	9.7	20.3	7.4	7.2	2.5
III	2.8	8.3	3.7	4.5	4.9	9.0	15.1	10.4	20.6	10.0	8.5	2.2
IV S. coast.	2.3	4.5	4.8	9.3	11.1	9.5	16.5	10.4	13.4	8.6	5.8	3.8
IV N. coast.	2.3	4.9	4.5	11.5	7.4	11.8	16.2	9.2	13.3	7.5	7.2	4.2
IV total.	2.3	4.8	4.6	11.0	8.3	11.3	16.2	9.5	13.3	7.8	6.8	4.1
V (A)	2.6	4.6	5.3	12.0	10.5	17.3	15.5	10.4	4.0	4.7	5.9	7.2
V (B)	4.9	7.6	5.0	8.3	5.0	12.4	15.3	9.4	8.6	6.7	7.7	9.1
V (C)	7.9	5.8	5.0	5.4	3.5	7.6	16.7	8.7	11.4	10.3	8.0	9.7
V total.	6.4	6.3	5.0	6.9	4.6	9.8	16.3	9.0	9.9	8.7	7.7	9.3
VI	4.7	6.4	3.8	6.4	4.3	8.4	20.2	8.7	14.6	10.8	6.6	5.2
VII	3.5	2.1	3.1	5.9	5.9	9.8	7.6	13.1	22.6	14.2	7.9	4.3
VIII	4.2	9.2	4.9	4.9	23.7	5.9	12.7	3.7	4.3	15.1	6.8	3.5

Thus we see that on the coast of the sea of Japan and the regions along the Inland Sea,

the precipitation was abundant in June & July, while in the distrits II, III and VII. it was very rich in September. Again on the coast facing the sea of Japan the amount was least in May, while on the pacific side the driest month was January. In this year the excess of the greatest over the least amount of the precipitation was very remarkable, and may be concidered as one of the peculiar points of the rainfall in the present year.

In the next table are given the average numbers of the days with precipitation in each month as well as in the whole year.

District	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
I	9	11	13	11	14	**18**	15	9	9	9	**7**	13	138
II	8	10	11	14	12	**16**	15	11	13	12	**7**	9	138
III	9	10	**8**	**8**	**8**	12	**13**	12	**13**	11	9	8	121
IV S. coast.	**6**	10	13	14	14	16	**16**	8	13	12	8	11	141
IV N. coast.	9	11	11	14	12	**16**	15	**8**	11	11	9	12	139
V (A)	8	11	11	12	13	**16**	14	8	8	10	**7**	14	132
V (B)	18	17	15	13	11	**16**	15	**10**	11	13	13	**20**	172
V (C)	**21**	17	16	11	**8**	13	17	12	14	17	16	20	182
VI	13	12	11	8	**7**	10	**14**	11	13	**14**	**14**	**14**	141
VII	**18**	11	12	**9**	10	10	13	11	16	17	14	14	155
VIII	9	**15**	14	9	13	**6**	9	9	**6**	11	9	10	120

Thus we see that, as usual, the days with precipitation were more numerous on the northern coast of the sea of Japan than on the pacific coast. The eastern sea coast and the southern Islands gave the least, while the coast facing the sea of Japan east from Echizen gave the greatest.

Of the number of days with precipitation observed in any one station, the greatest was 261 at Ōtori (Yamagata prefecture), followed by 250 at Tsurugaoka (Yamagata prefecture), 246 at Inaniwa (Akita prefecture) and Suttsu (Hokkaido), 237 at Takanosu (Akita prefecture) and Akita (Akita prefecture), 234 at Kanazawa (Ishikawa prefecture), 233 at Kumihama (Kioto prefecture) etc.

There were 52 stations in all, recording more than 200 days with precipitation, of which 1 was in III, 14 were in V (B), 32 in V (C), 4 in VI and I in VII..

The greatest number for each district is given below:—

I	175 days	Nagasaki	(Nagasaki prefecture)
II	187 "	Kuma	(Ehime ")
III	214 "	Shibetoro	(Hokkaido ")
IV S. coast	175 "	Unomachi Takaradakami	(Ehime ") (Kagawa ")
IV N. coast	197 "	Hikone	(Shiga ")
V (A)	162 "	Mushōzu	(Nagasaki ")
V (B)	233 "	Kumihama	(Kioto ")
V (C)	261 "	Ōtori	(Yamagata ")
VI	209 "	Shirakamizaki	(Hokkaido ")
VII	205 "	Sōyamisaki	(Hokkaido ")
VIII	191 "	Wakasamachi	(Okinawa ")

We shall next give the review of precipitation in each month.

January:—The precipitation was, as usual, abundant on the side facing the sea of Japan and scanty on

the pacific, showing distinctly the winter aspect of the distribution. On the former, almost all the portion east of Inaba had more than 100 mm., and the coast from Wakasa to Uzen had more than 200 mm., especially more than 400 mm., at several places. On the other hand, all districts along the pacific coast had generally less than 50 mm., being very deficient particularly over Hokkaido.

On the whole, it was above or equal to average in the districts I, II, IV (S), V (C) and VI, and less than in the remaining portions of the country.

The greatest monthly precipitation was 469 mm. at Ōtori (Yamagata prefecture), followed by 416 mm. at Otaru (Hokkaidō), 402 mm. at Tokunoyama (Gifu prefecture), 399 mm. at Itoigawa, 383 mm. at Tateishinohana. The greatest amount 469 mm. was far less than that in the preceding year (636 mm. at Iwauchi), while it was considerably great compared with that in 1894 (387 mm. at Iwai, Tottori prefecture) and in 1892 (395 at Mineyama).

The greatest daily amount was 132 mm. at Niigata, and it was considerably greater than that in the preceeding year (100 mm. at the same locality), and nearly equal to the greatest in 1894 (134 mm. at Inuboesaki and at Tomioka, Fukushima prefecture).

The greatest number of the days with precipitation was 30 at Mineyama (Kioto prefecture) and Kanazawa (Ishikawa prefesture), followed by 29 at each of Kitakata (Fukushima prefecture); Taishōzi, Nonoe, Iidamachi in Ishikawa prefecture; Akita and Inaniwa in the prefecture Akita; Miyanoura in Yamagata prefecture; Sutsu and Mashike in Hokkaidō.

February.—The precipitation was increased in this month, especially in the districts II, III, IV and V (B), while it was considerably decreased in V (C) and VII. Thus the distribution almost lost the characteristics of the winter aspect, and showed the tendency of becoming uniform throughout the whole country. Yet in the Kishū peninsula and southern Shikoku, the precipitation was very excessive, being generally above 200 mm. and more than 300 mm. at several localities. Eastern Hokkaido, the Shinshu plateau and the Inland sea region, however, were comparatively dry, the amount of precipitation being about 50 mm..

The greatest monthly amount was 331 mm. at Yoshikuni (Aomori prefecture). As the next we have 326 mm. at Owase (Mie prefecture), 308 mm. at Yumura (Hiogo-prefecture), 308 mm. at Wajiki (Tokushima prefecture), 304 mm. at Hiwasa (Tokushima prefecture). The greatest amount was far less than that in the preceding year (852 mm. at Otaru), and did not reach even one half of it; yet it was considerably great when compared with that in 1894 (197 mm. at Iwai, Tottori prefecture) and in 1892 (280 mm. at Inuboyezaki).

The greatest daily amount was 148 mm. at Wajiki (Tokushima prefecture). It was slightly less than that of the preceding year (260 mm. at Otaru), and nearly equal to that of 1892 (142 mm. at Yokosuka, Kanagawa prefecture), while it was considerably great compared with those of 1894 (56 mm. at Kannonzaki) and 1893 (95 mm. at Nojimagasaki),

The greatest number of the days with precipitation was 28 at Inaniwa (Akita-prefecture),

followed by 27 at Ōtori and 26 at Miyanoura (Yamagata prefecture), Honjō (Akita prefecture), Ajigasawa (Aomori prefecture).

March.—The distribution was freed from the winter aspect and the precipitation was evenly distributed, being about 100 mm.; yet it was very rich over the provinces Echizen, Echigo, Mino, the Kiūshū peninsula and the southern portion of Shikoku and of Kiushū, the amount being generally above 150 mm. and more than 200 mm. at several places. The precipitation however was rather scanty in Hokkaido, being generally about 50 mm.. The amount of rainfall in the present month was below the normal all over the country. The greatest monthly precipitation was 310 mm. at Kuniyoshi (Aomori prefecture), followed by 271 mm. at Tokuyama (Gifu prefecture), 260 mm. at Inuboyesaki (Chiba prefecture), 254 mm. at Ōtori (Yamagata prefecture), 252 mm. at Kurasaki (Miyagi prefecture). The greatest monthly amount was considerably less than that in the preceding year (489 mm. at Tateishinohana) and in 1894 (342 mm. at Shingu), while it was far greater than that in 1893 (183 mm. at Naha and Takata), and in 1892 (280 mm. at Mineyama. Kioto prefecture). The greatest daily amount was 121 mm. at Tsuro (Kōchi prefecture), and was considerably greater than that in the preceding year (92 mm. at Furuyu, Saga prefecture), of 1893 (95 mm. at Sendai), while it was far less than those of 1894 (170 mm. at Shizuoka), of 1892 (180 mm. at Esanmisaki, Hokkaidō).

The greatest number of the days with precipitation was 26 at Miyanoura (Yamagata prefecture), followed by 25 at Ōtori (Yamagata prefecture) and at Mashike (Hokkaidō). I was less than the greatest number of the preceding year (27 at Gojōme), and in 1892 (27 at Yamaguchi and Sakai) by 1, and equals to that in 1894 (27 at Sakāta), and greater than that in 1893 (23 at Akita) by 3.

April.—The precipitation increased considerably than in the last month, and was generally above 100 mm., yet it was below over a large portion of the Shinshū plateau, Hokkaidō, the provinces Musashi, Shimōsa, Kōzuke, Shimozuke, Iwaki and Iwashiro; especially below 50 mm. at several places in Hokkaidō and on the coast of Iwami In the district Mino-Owari, the southern portion of the Kiushiū peninsula and south-eastern Kiushū it was very abundant generally surpassing 300 mm. and a rainfall of more than 500 mm. was recorded at several stations. Even in the district Yamashiro-Settsu the amount was generally above 200 mm. On the whole it was in excess beyond the normal throughout the country with a single exception of the eastern sea coast.

The greatest monthly amount was 635 mm. at Kuwao (Kōchi prefecture) followed by 558 mm. at Kaminojiri (Kōchi-prefecture), 519 mm. at Taguchi (Aichi-prefecture), 518 mm. at Kiyotake (Aichi prefectura), 505 mm. at Inō (Kōchi prefecture). The greatest amount 635 mm. in the present month was greater than twice the amount of that in the preceding year (309 mm. at Inō); than that in 1894 (509 mm. at Owase), in 1893 (441 mm. at Hiwasa) and was nearly equal to the greatest in 1892 (618 mm. at Ōmori in the province Iwami).

The greatest amount was 196 mm. at Sato (Kagoshima prefecture), and was great compared with that in the last year (144 mm. at Shimizu in the prefecture Kōchi), in 1894 (154 mm. at Hongū), in 1892 (120 mm. at Shiomisaki), while it was slightly less than the greatest in 1893 (205 mm. at Hiwasa).

The greatest number of the days with precipitation was 22 at Kurasaki in Miyazaki prefecture, followed by 20 at Takanabe (Miyazaki), and it was greater than that in the preceding year (19 at Nemuro) by 3, in 1894 (17 at Shingū and seven other stations) by 5, while it was less than that in 1892 (25 at Isa in Yamaguchi prefecture) by 3.

May.—The mean amount of the precipitation was nearly equal to that of the preceding month except the decided increase in the Southern Islands. The distribution was also similar, only difference being that in the districts Yamashiro and Settsu the precipitation considerably decreased and was below 100 mm., while in Kiūshiū the increase was remarkable, the amount being genarally above 200 mm., especially in its southern part, the amount varying from 400 to 500 mm.. The amount however was below the normal throughout the whole country except in the districts I, II, and V (A).

The greatest monthly amount was 944 mm. at Kubokawa in the prevince Kōchi, followed by 725 mm. at Nakamura in Kōchi prefecture, 614 mm. at Fusato (Ōkinawa prefecture), 606 mm. at Suki (Miyazaki prefecture), 596 mm. at Tsuro (Kōchi prefcture). The greatest amount 944 mm. was far greater than that of the preceding year (366 mm. at Kuwao), of 1894 (351 mm. at Kuzuhara), of 1893 (650 mm. at Shingū), of 1892 (536 mm. at Mototatsuno).

The greatest daily amount was 301 mm. at Kubokawa in the prefecture Kōchi, and it was twice as great as that of the preceding year (158 mm. at Nagamine, Gifu province), while it was considerably smaller than the greatest of 1894 (184 mm. at Naha), of 1893 (238 mm. at Shingū), of 1892 (216 mm. at Nakamura in the prefecture Fukushima).

The greatest number of the days with precipitation was 20 at Mamihara in Kumamoto prefecture followed by 19 at each of Miyazaki prefecture, Nishikata in Miyazaki prefecture, Yasue in Wakayama prefecture, and it was less than that of the preceding year by 3.

June.—The precipitation was greatly increased and generally above 200 mm. except in the eastern portion of Japan. In Mino-Hida district it was more than 400 mm. and in the central and the western portions of Kiūshiū it was above 300 mm.

In the greater part of Hokkaidō and the extensive Kantō plain it was above average over all the districts.

The greatest monthly amount was 567 mm. at Furuyu (Saga prefecture), followed by 543 mm. at Kuwao (Kōchi prefecture), 485 mm. at Todoroki in Saga prefecture, 480 mm. at Izugahara, 475 mm. at Kuzuhara in Gifu prefecture. The greatest monthly amount 567 mm. was far less than that in the preceding year (711 mm. at Tateishinohana), and in 1892 (708

mm. at Futamata), while it was greater than 402 mm. at Kurusugawa and 428 mm. at Mori in Ōita prefecture.

The greatest daily precipitation was 205 mm. at Izugahara in the province Tsushima, and it was considerably less than that in the preceding year (275 mm. at Tateishinohana), and in 1892 (225 mm. at Kobe in Hiroshima prefecture), while it was nearly equal to the greatest monthly precipitation in 1893 (200 mm. at Kuzuhara), and far greater than that in 1894 (150 mm. at Yoshiura in Aki province).

The greatest number of rainy days was 22 at Nagasaki, Kumamoto, Miyakonojō and Mitae in Miyazaki prefecture followed by 21 at Enokitsu in Fukuoka prefecture and 16 othre stations.

July.—The precipitation was considerably increased during this month, and was generally above 200 mm. except in the eastern portion of Hokkaidō. In Shikoku and eastern Kiūshiū it was generally from 300 mm. to 600 mm. The rainfull over Mino-Hida district was especially abundant, being above 600 mm and surpassing even 1000. mm. at several localities. And even on the coast of the sea of Japan near the province Uzen, the mean amount was above 400 mm.

The greatest monthly precipitation was 1058 mm. at Nagamine, followed by 987 mm. at Hachiman, 987 mm. at Kuzuhara, 937 mm. at Mori, 899 mm. at Tokuyama, all the above stations being in Gifu prefecture. It was much greater than the greatest in the preceding year (971 mm. at Owase), and was three times as much as that of 1894 (386 mm. at Esan-misaki), four times as much as that of 1892 (254 mm. at Zukidate).

The greatest daily amount was 373 mm. at Nagamine in Gifu prefecture, and surpassed that in the preceding years (349 mm. at Shirasu, Fukuoka prefecture); in 1894 (221 mm. at Yasue, Kishū province), and in 1892 (311 mm. at Esaki, Awaji province). In fact, it was more than thrice as much as the greatest daily amount in 1893, (122 mm. at Esanmisaki).

The greatest number in the days with precipitation was 26 at Ōtori, Yamagata prefecture, followed by 25 ai Tsuchizakiminatomachi in Akita prefecture.

A short review of the remarkable storms which caused excessive precipitation during this month may not be superfluous. One of the important depressions was a low area which had been approaching Kiūshū from the western sea on the 5th. It travelled along the coast of the sea of Japan causing general rainfall over central Japan and pouring down heavy rains in the province Ōmi & Mino. In the afternoon on the 7th the depression had arrived the sea off Niigata, and was brocken up into two secondaries, one of them moved with great rapidity in a far northerly course, and passed off the sea of Okhotsk traversing near the cape Sōya in Hokkaidō; another recurved its course, and attacked the district near Utsunomiya. As a consequence of the excessive rainfalls attending these cyclonic storms the river stage of the Zintsū in Toyama prefecture rose to the height of 3.3 metres, and resulted in some destructions of properties.

Again, in the afternoon on the 13th, a shallow depression developed in the western sea off Kiūshū, and marched in the northeast, and passed off in the sea of Okhotsk traversing Hokkaidō, causing general rainfall over the whole country.

On the 19th a depression appeared in the southern sea of Kiūshū and caused general rainfall over the southern sea coast, and on account of its slow progressive motion the whole country had an immence precipitation, with showers and thunder storms at seveeral places. As a conseqnence of the enormous rainfall the rivers Shō, Zintsu, Tone, Abukuma, Kitakami, Mabuchi and Iwaki rose to the height of from 3 to 6 metres devastating the vast portions of sevaral prefectures, Miye, Tochigi, Iwate, Aomori, Gifu, Toyama, Nagano, Ishikawa, Fukushima, Miyagi, Shimane and Niigata.

August.—The precipitaino was generally decreased throughout the country, yet it was well up to avarage except in the districts VI and VII. Over the southern portion of Shikoku and central part of the Kishū peniusula excessive rain fell, the amount being generally above 400 mm., and surpassing even 700 mm. at several places. In the provinces Kaga, Echizen, Mino, Hida, and the shoth-eastern portion of Kiūshū had more than 300 mm., and precipitation more than 500 mm. was recorded at several stations. In the Noto peninsula and the province Echigo the rainfall was rather scanty being generally below 100 mm., on the pacific coast from Sagami to Rikuzen the precipitation was about 100 mm. and in Hokkaidō and northern Kiūshū it was from 150 to 200 mm.

The greatest monthly precipitation was 776 mm. at Kawai in Tokushima prefecture, followed by 758 mm. at Ekawasaki, 657 mm. at Kunushi, 578 mm. at Wajiki in Tokushima prefecture 547 mm. at Nabari in Mie prefecture. The greatest amount 776 mm. was far greater than that in the preceding year (702 mm. at Kado), in 1894 (614 mm. at Mashike) and more than the double the greatest monthly amount in 1892 (280 mm. at Kumamoto), while it was far less than the greatest amount in 1893 (1127 mm. at Hachiman, Gifu prefecture).

The greatest daily amount was 353 mm. at Kunushi in Ehime prefecture, and much less than that in the preceding year (410 mm. at Kadō), in 1893 (607 mm. at Hachiman), while it was far greater than that in 1893 (163 mm. at Kumamoto).

The greatest number of the days with precipitation was 24 at Shimoobihiro and Suttsu in Hokkaido, followed by 22 at Tsurikake in the same district).

We shall again give a short review of the remarkable cyclonic storms during this month :—

On the 3rd of this month a depression coming from northern Korea travelled in a far easterly direction, and passed off the Pacific traversing southern Hokkaidō, causing a general rainfall over northern Japan, attending local showers and heavy rains. As a consequence the prefectures Yamagata, Akita, & Iwate suffered from inundations caused by the enormous rainfall.

On the 16th a violent storm appeared in the southern sea off the Riu-kiu Isles; thence passed to the sea of Japan touching near Sakai on the 18th.

Owing to the excessive rainfall the prefectures Shiga, Kanagawa, Kōchi and Ehime suffered serious damages done by inundations. Again at close of the month a cyclonic storm of unusual violence coming from the southern sea passed inland from the Kishū peninsula, and marched towards the sea of Japan crossing over central Japan pouring down heavy rain and giving frequent showers at several places; thence marching in the northeast it passed off the sea the Okhotsk of traversing Hokkaidō. As a consequence of the excessive rainfall caused by this depression the rivers Chiyo, Kako, Uri, Yodo rose to the height of 3 metres and caused enormous loses of life & property in the prefectures Ōsaka, Kōbe, Hiogo, Wakayama, Mie, Fukui, Ishikawa, Toyama, Gifu and Aichi, Niigata and Hokkaidō.

September.—The precipitation was considerably increased throughout the country except in the districts I, V (A) and V (B), and much above the normal except in V (A). During the present month excessive rain fell over Mino-Owari and the southern portion of Shikoku, the mean amount being generally above 700 mm., especially more than 1000 mm. at the many places. The southern portion af Kishū peninsula and the portions of the districts from Mikawa to Musashi at a distance from the Pacific coast had from 500 mm. to 900 mm.

The greatest monthly precipitation was 1402 mm. at Nagamine in Gifu prefecture, followed by 1235 mm. at Kuzuhara, 1192 mm. at Tokuyama, 1136 mm. at Sekigahara, 1105 mm. at Tarue. The greatest amount 1402 mm. was much greater than that in the preceding year (773 mm. at Naomi, Oita prefecture), in 1894 (755 mm. at Owase), in 1893 (466 mm. at Shingū), in 1892 (786 mm. at Shingū).

The greatest daily amount was 538 mm. at Hikone in Shiga prefecture and was much greater than that in the preceding year (310 mm. at Naomi in Ōita prefecture), in 1894 (459 mm. at Kado),in 1892 (320 mm. at Shizuoka) and twice a much as the greatest amount in 1893 (233 mm. at Owase).

The greatest number of rainy days was 22 at Ōtori, Yamagata prefecture, Suttsu and Sōyamisaki in Hokkaidō followed by 21. at Shimoobihiro, Abashiri, Oshidomari, Kamikawa in Hokkaidō and Shibatahonmura in Niigata prefecture.

On the 3rd a shallow depression appeared in the western sea off Kiūshū, and passed through the Korea strait. On the 6th a remarkable cyclone approached to the southern sea off Shikoku, and owing to its slow movement the general rainfall was caused over central Japan, heavy rains at several places, so that the prefectures Mie, Gifu and Toyama suffered no small damages done by flood. This depression became gradually deepened and in the morning of the 9th it began its progression in the northeast, and passed to the sea of Japan traversing across central Japan from the Kishū peninsula.
Curving its cource slightly eastward, the violent vortex passed over Akita to the pacific. Thus excessive rains fell over the whole country except the extreme north, and caused sudden swells of several rivers and the great Biwa lake. Thus the devastations in the several provinces in central and eastern Japan caused by the floods were estimated as very great.

October.—The precipitation was considerably decreased except in the districts I, V (A) and the southern islands, yet it was above average except in IV (S), V (A) and V (B). The precipitation was evenly distributed, being generally about 100 mm; especially above 200 mm. at several places. The abundant rain, however, fell on the coast along the sea of Japan from Echigo to Echizen, the amount being generally 250 mm., and several stations recording more than 300 mm.. In fact, in the southern portion of Shikoku the precipitation surpassed even 300 mm. and there were several places where the height of rainfall exceeded 400 mm..

The greatest monthly precipitation was 467 mm. at Ochi in Kōchi prefecture, followed by 428 mm. at Wajiki in Tokushima prefecture, 402 mm. at Kubokawa, 386 mm. at Chan in Okinawa prefecture. The greatest monthly amount 467 mm. was far smaller than that of the preceding year (523 mm. at Owase), while it was far greater than the greatest in 1894 (322 mm. at Owase).

The greatest daily amount was 258 mm. at Wajiki, Tokushima prefecture, and it was considerably greater than that in the preceding year (223 mm. at Kaminojiri, Kōchi prefecture) and in 1892 (232 mm. at Izugahara) and twice as much as that in 1892 (130 mm. at Owase), while it was about one third of the greatest amount in 1893 (744 mm. at Sama).

The greatest number of the days with precipitation was 27 at Kamikawa in Hokkaidō, followed by 26 at Mashike (Hokkaidō) and 25 at Inami in Toyama prefecture.

November.—The precipitation continued to decrease except in the districts V (A) and V (B) where it was slightly increased. Yet it was above average except in V (C), VI and VII.

The precipitation over the southern portion of Kishū was excessive, the amount varying from 300 to 400 mm., and on the coast of the sea of Japan east of Wakasa it was generally about 200 mm. On the contrary it was very scanty on the region bordering the Inland sea and the province Kōzuke being below 100 mm., and in Kiūshū and Hokkaidō it was generally about 100 mm.

The greatest monthly amount was 457 mm. at Yamada in Mie prefecture and was much greater than that in the preceding year (434 mm. at Ōtori); in 1894 (341 mm. at Owase), in 1892 (415 mm. at Itoigawa), while it was slightly less than in 1893 (476 mm. at Kanazawa).

The greatest daily amount was 205 mm. at Tomioka, Tokushima prefecture, and it was nearly twice as great as that in th preceding Year (113 mm. at Shinagawa in Musashi province). and in 1893 (111 mm. at Shirakamizaki in Hokkaidō), and considerably greater even compared with that in 1892 (187 mm. at Nojimagasaki in Chiba prefecture), while it was very small compared with the greatest amount in 1894 (225 mm. at Obi, Hūga province).

The greatest number in the days with precipitation was 25 at Tsurugaoka in Yamagata, prefecture and Mashike in Teshiwo province, followed by 24 at Shibetoro in Chishima province, Inami in Toyama and Inaniwa in Akita prefecture.

December.—The precipitation increased on the coast of the sea of Japan and considerably decreased in the remaining portions of the country, yet it was above average except in the districts II, VI. and VII. Thus the winter aspect of the distribution was very pronounced, being generally above 150 mm. on the coast of the sea of Japan, especially from 300 mm. to 400 mm. on tne districts from Tajima to Uzen. On the contrary it was very scanty on the pacific coast, being generally about 50 mm., especially below 20 mm. at several places in the extensive Kanto plain.

The greatest monthly precipitation was 525 mm. at Ōtori, Yamagata prefecture, followed by 475 mm. at Kanazawa (Ishikawa prefecture), 464 mm. at Taishōji, 452 mm. at Rokkōzaki (Ishikawa prefecture), 449 mm. at Fushiki (Toyama prefecture). It was considerably less than the greatest monthly amount in the preceding year (603 mm. at Ōtori), while it was much greater compared with that in 1894 (402 mm. at Yumura in Hiogo province), in 1893 (403 mm. at Itoigawa at Echigo province), in 1892 (464 mm. at Tateishinohana, Echigo province.)

The greatest daily precipitation was 140 mm. at Kuroki in tbe prefecture Fukuoka, and, was considerably greater than the greatest amount in the preceding year (83 mm. at Higashi, Wakayama prefecture), in 1892 (62 mm. at Sohara, Mie prefecture), while it was far less than the greatest amount in 1894 (209 mm. at Takaoka in Miyazaki prefecture).

The greratest number of the days with precipitation was 30 at Ōtori, Tsurugaoka, (Yamagata prefecture) and Inami (Toyama prefecture), followed by 29 at Niigata and 28 at Shibetoro (in the Chishima Isles), Fushiki (in Toyama prefecture), Akita.

Year.—The distribution of rainfall in the whole year is too complex to be described in a few lines; the following, however, may not be insufficient to serve as the summary review.

The mean amount of the precipitation for this year was much above the normal throughout the country with a single exception of the district VII, where it was slightly below average. In the districts I, II, and V (C), excess over the normal was very considerable. As usual most abundant precipitation was in southern Shikoku, the Kishū peninsula, Mino, Hida, Echizen and Uzen, varying from 3000 to 4000 mm. Most scanty was precipitation over the southeastern portion of Hokkaidō, being generally below 1000 mm. and over the region along the Inland sea, the Shinshū plateau, the Kanto plain where it was below 1500 mm..

第一表　明治廿九年降水總量 粍

TABLE I. AMOUNT OF PRECIPITATION IN 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第一區 西海	I. WESTERN SEA.													
1	大瀬崎	Ōsesaki.	69	78	109	164	258	159	90	50	105	106	91	41	1321
2	福江	Fukue.	128?	85?	162	254	303	240	81	59	222	85	204	140	1963
3	古志岐島	Koshikishima.	57	52	61	165	135	258	145	36	123	50	83	71	1236
4	平戸	Hirato.	77	99	131	277	201	428	223	188	89	101	156	143	2114
5	佐世保	Saseho.	65	76	102	239	239	215	245	170	97	76	159	120	1805
6	瀬戸	Seto.	25?	76	111	206	227	294	174	137	95	106	103?	118	1671
7	長崎	Nagasaki.	67	100	92	266	287	286	232	116	134	112	148	132	1972
8	伊王島	Iwōshima.	56	75	79	239	248	292	147	101	120	108	169	150	1783
9	蔭ノ尾島	Kagenōshima.	53	87	84	236	256	237	146	85	113	120	124	130	1672
10	口ノ津	Kuchinotsu.	99	95	86	253	326	347	208	129	106	141	73	101	1964
11	島原	Shimabara.	122	95	111	235	264	283	229	134	125	183	167	93	2041
12	諫早	Isohaya.	67	99	96	291	259	371	286	139	108	138	175	110	2140
13	大村	Ōmura.	62?	100	109	239	250	306	271	164	103	143	101	112	1961
14	高津原	Takatsubara.	66	107	64	156	189	298	300	113	83	110	107	70	1663
15	武雄	Takeo.	56	76	98	194	192	288	181	159	74	114	90	108	1629
16	小城	Ogi	57	66	99	241	235	415	281	135	100	83	108	91	1911
	筑後川														
17	榎津	Enokitsu.	58	84	83	246	236	265	318	118	121	148	144	72	1893
18	久留米	Kurume.	58	79	97	271	233	306	353	130	98	114	122	74	1935
19	久留米	Kurume.	50	66	81	255	190	269	294	95	95	36	114	62	1606
20	轟木	Todorōki.	67	82	95	274	247	485	384	156	104	79	141	69	2183
21	善導寺	Jendoji.	55	80	96	150	164	370	290	218	101	130	129	71	1854
22	甘木	Amaki.	58	70	110	299	256	287	440	175	105	125	118	81	2124
23	吉井	Yoshii.	63	84	104	146	185	316	356?	168	125	163	119	97	1925
24	豆田	Mameta.	54	82	84	164	209	234	214	....	98	179	61?	31?	....
25	宮原	Miyabara.	72	102	119	275	341	367	500	150	125	163	115	72	2400
26	福島	Fukushima.	62	87	89	251	274	325	300	98	107	159	117	73	1944
27	佐賀	Saga.	53	76	96	262	217	335	310	120	99	123	131	77	1898
28	古湯	Furuyu.	67	100	123	342	349	567	348	259	161	85	150	172	2723
29	神崎	Kanzaki.	52	79	100	318	194	331	282	69	88	126	130	57	1827
30	森	Mori.	64	75	91	171	377	216	349	182	148	187	126	68	2053
	矢部川														
31	柳河	Yanagawa.	60	81	95	257	219	249	294	162	111	157	131	75	1893
32	黒木	Kuroki.	75	....	75	249	262	303	319	221	128	166	101	72	....
33	三池	Miike.	82	82	100	224	231	268	353	107	96	152	114	56	1865
	菊地川														
34	高瀬	Takase.	69	80	103	304	271	239	252	91	109	72	100	50	1741
35	山鹿	Yamaga.	—	—	—	—	—	—	—	—	—	—	88	62	—
36	隈府	Waifu.	56	80	90	337	302	275	281	132	71	77	58?	65	1825
	白川														
37	春日	Kasuga.	49	49	74	221	....	303	215	94	101	130	102	37	....
38	熊本	Kumamoto.	60	65	84	247	288	274	248	104	100	134	101	55	1760
39	宮地	Miyaji.	76	78	138	241	240	304	505	151	73	106	107	50	2068
40	吉田	Yoshida.	—	—	—	—	—	—	—	185	138	164	106	112	—
41	濱町	Hamamachi.	—	—	—	—	—	—	—	262	199	121	74	125	—
42	御船	Mifune.	59	64	80	221	318	177	201	123	130	143	100	101	1717
43	宇土	Uto	—	—	—	—	—	—	—	—	—	—	111	54	—
44	町山口	Machiyamaguchi.	93	103	82	206	272	357	203	184	121	131	89	141	1983
45	佐敷	Sashiki.	—	—	—	—	—	—	—	—	—	—	107	76	—
	球摩川														
46	八代	Yatsushiro.	69	58	47	161	297	247	180	126	95	46?	93	51	1471
47	人吉	Hitoyoshi	72	87	90	235?	489	292	268	167	153	165	99?	75	2192
	川内川														
48	東手	Higashite.	101	104	107	125	480	403	170	224	209	216	66	108	2314
49	里	Sato.	94	83	110	333	544	355	378	284	177	199	137	87	2782
50	加久藤	Kakutō.	52	89	149	262	502	339	460	248	143?	161	112	70	2617
51	郡	Kōri.	90	126	132	275	408	329	307	184	329	173	131	141	2626

第一表 明治廿九年降水總量 粍

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m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第二區 南海	II. SOUTHERN SEA.													
1	鹿兒島	Kagoshima.	92	115	152	244	451	369	241	191	335	117	170	89	2564
2	中名	Nakana.	55	111	132	263	442	258	339	142	315	161	122	83	2425
3	佐多岬	Satanomisaki.	70	80	131	165	231	225	153	154	276	129	94	43	1752
4	西方	Nishikata.	78	140	202	294	445	300	273	195	406	150	118	98	2700
5	鞍崎	Kurasaki.	94	153	252	330	365	156	99	180	228	91	121	45	2116
6	飫肥	Obi.	104	149	247	411	487	355	271	179	358	176	106	108	2950
	大淀川														
7	宮崎	Miyazaki.	56	158	247	303	529	271	252	213	304	150	170	38	2691
8	高岡	Takaoka.	49	163	202	285	537	275	310	199	253	136	148	34	2592
9	都城	Miyakonojo.	56	113	158	246	446	292	350	221	352	115	159	50	2558
10	北俣	Kitamata.	53	88	142	255	510	237	308	178	296	132	94	17?	2313
11	須木	Suki	65	140	150	276	606	327	536	253	462	164	100	49	3130
12	細野	Hosono.	80	174	175	282	484	234	327	209	246	219	135	54	2620
13	大牟田	Ōmuda.	52	127	182	288	579	351	319	370	210	147	154	62	2841
14	田野	Tano.	53	157	244	362	545	268	381	335	398	127	153	51	3075
	佐土原川														
15	村所	Murasho.	70	137	157	243	553	365	626	232	339	185	101	76	3085
16	鹿野田	Kanoda.	49	159	187	295	473	238	296	189	301	177	124	45	2534
	高鍋川														
17	高鍋	Takanabe.	45	156	225	340	544	211	292	244	196	150	137	61	2602
18	神門	Kado	9?	138	180	255	510	215	655	545	548	229	134	65	3483
19	田代	Tashiro.	52	114	166	259	454	232	457	423	418	214	135	53	2978
20	下福良	Shinofukura.	81	126	174	277	551	221	648	320	436	149	134	95	3213
21	細島	Hososhima.	50	145	202	337	455	246	264	216	227	335	118	66	2662
	五箇瀬川														
22	延岡	Nobeoko.	54	130	183	349	422	271	213	404	234	355	126	59	2800
23	七折	Nanaori.	57	136	108	222	382	218	467	533	279	192	97	47	2739
24	三田井	Mitai.	62	88	129	182	348	217	381	371	203	167	93	65	2306
25	三ヶ所	Sangasho.	61	89	122	149	387	235	328	314	266	125	74	99	2248
26	馬見原	Memihara.	103	90	117	158	427	272	323	351	222	93	91	83?	2330
27	下直見	Shimonaomi.	42	120	101	200	392	261	226	292	251	274	89	35	2282
28	佐伯	Saheki.	....	....	....	....	....	....	....	....	....	....	44?	16?	....
29	八幡濱	Yawatahama.	63	83	85	206	261	187	233	158	118	179	85	82	1741
30	宇和島	Uwajima.	51	67	93	223	353	150	198	163	186	188	88	71	1832
31	清水	Shimizu.	72	113	105	245	⋮	145	164	264	244	368	166	54	....
	渡川														
32	中村	Nakamura.	84	194	193	341	725	236	182	371	371	329	151	86	3262
33	川崎	Kawasaki.	63	121	106	288	423	241	268	758	292	199	114	31	2904
34	田野々	Tanono.	1?	139	159	296	378	306	416	278	272	143	189	93	2672
35	窪川	Kubokawa.	84	260	170	335	944	353	245	229	521	402	278	57	3828
36	檮原	Isohara.	—	—	—	—	—	—	—	—	—	239	143	88	—
37	與野々	Okinono.	75	88	112	278	357	191	262	431	247	228	104	80	2155
	仁淀川														
38	伊野	Ino.	35	203	148	505	466	392	403	186	378	287	162	58	3222
39	越知	Ochi.	89	186	134	352	546	276	706	425	397	467	159	57	3744
40	久主	Kusu.	74	141	112	260	581	243	495	657	416	254	172	89	3497
41	久萬町	Kumamachi.	50	95	76	235	299	222	277	506	224	156	133	97	2369
42	高知	Kōchi.	39	206	153	384	422	342	424	132	544	271	182	66	3164
43	桑尾	Kuwao.	13	214	166	635	547	543	575	237	586	340	162	62	4081
44	上野尻	Kaminojiri.	6	16	114	558	352?	291	479	493	870	201	131	83	3596
45	大栃	Ōdochi.	33	173	211	432	397	385	495	381	720	235	185	50	3697
46	田野	Tano.	—	—	—	—	—	—	—	—	—	154	146	85	—
47	津呂	Tsuro.	62	168	191	300	596	293	246	241	535	245	252	80	3209
48	日和佐	Hiwasa.	51	304	145	413	283	190	419	277	1091	351	363	98	3985
	那賀川														
49	富岡	Tomioka.	48	225	118	225	248	260	363	430	798	339	361	70	3184
50	和食	Wajiki.	59	308	112	258	370	241	557	578	1102	428	270	81	4368

第一表　明治廿九年降水總量

TABLE I. AMOUNT OF PRECIPITATION IN 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第二區　南海ノ續	II. SOUTHERN SEA.—Continued.													
51	小松島	Komatsujima.	30	77?	79	146	217?	171	367	333	680	259	209?	37	2604?
	吉野川														
52	德島	Tokushima.	26	162	79	100	171	136	365	294	835	211	134	45	2559
53	東名東	Tōnatō.	26	167	55	109	179	160	350	358	857	191	117	33	2604
54	石井	Ishii.	18?	138?	49?	82	208	161	342	415	860	172	95?	29?	2571
55	川島	Kawashima.	27	110	74	90	186	156	314	396	637	132	88	25	2235
56	市場	Ichiba.	24	98	76	62?	168	134	298	374	577	128	74?	29	2043
57	脇町	Wakimachi.	32	64	70	87	146	148	353	453	485	104	63	50	2055
58	池田	Ikeda.	21	11	23	120	125	136	326	317	330	96	44	29	1578
59	本山	Motoyama.	—	—	—	298	273	271	660	285	449	299	156	89	—
60	川井	Kawai.	—	—	—	—	—	172	422	776	837	156	177	51	—
61	南濱	Minamihama.	26	109	65	98	106	110	264	219	617?	127	119	33	1894
62	小桑島	Kokuwashima.	27	97	80	119	117	118	293	187	609	167	118	43	1978
	紀ノ川														
63	和歌山	Wakayama.	24	152	80	169	111	179	187	216	389	127	286	53	1975
64	清水	Shimizu.	60	120	70	214	95	155	182	167	346	121	189	62	1779
65	野上	Nogami.	34	80	97	189	103	156	175	209	438	98	244	56	1880
66	橋本	Hashimoto.	65	54	67	162	138	148	181	203	446	79	184	66	1794
67	慶賀野	keikano.	47	67	73	176	84	161	199	182	399	86	191	80	1746
68	吉野山	Yoshinoyama.	41	50	69	163	99	140	230	361	425	101	132	61	1871
69	柏木	Kashiwaki.	—	—	—	—	—	—	—	—	—	—	—	108	—
70	神野市場	Ainoichiba.	58	113	95	236	130	199	210	290	469	179	150	80	2210
71	高野山	Kōyasan.	73	131	73	240	140	248	247	477	477	116	199	108	2531
72	東富貴	Higashifuki.	68	100	90	213	102	106	204	306	512	64	124	112	2002
	有田川														
73	吉原	Yoshiwara.	47	111	92	233	162	211	216	278	366	173	179	63	2130
74	清水	Shimizu.	56	117	93	278	149	227	248	350	505	171	236	86	2516
(71)	高野山	Koyasan.	73	131	73	240	140	248	247	477	477	116	199	108	2531
75	湯淺	Yuasa.	38	115	89	202	170	191	173	188	355	187	166	61	1933
	日高川														
76	御坊	Gobō.	36	115	69	192	170	282	138	219	408	168	160	56	2013
77	高津尾	Takatsuo.	62	122	103	350	195	315	272	319	438	179	206	77	2639
78	東	Higashi.	80	296	166	290	285	335	439	541	800	184	298	106	3820
79	田邊	Tanabe.	33	93	81	205	154	217	181	256	502	139	243	89	2194
80	栗栖川	Kurisukawa.	39	109	156	437	242	390	338	498	633	107	220	105	3274
81	安居	Ago.	43	146	129	251	289	235	252	432	709	95	325	105	3011
82	潮岬	Shiomisaki.	61	150	140	161	397	115	195	304	342	245	311	97	2522
83	樫野崎	Kashinosaki.	52	158	170	243	340	139	182	176	348	270	266	111	2456
84	下中	Shimonaka.	83	269	176	327	315	202	193	273	525	190	369	142	3065
85	日ノ岬	Hinomisaki.	42	145	82	177	201	237	143	260	593	204	165	56	2305
	新宮川														
86	新宮	Shingu.	48	219	200	350	488	227	180	333	688	315	388	104	3492
87	本宮	Hongu.	58	179	111	264	325	290	512	442	851	190	313	106	3642
88	大沼	Ōnuma.	48	225	141	243	384	274	544	415	969	228	376	87	3935
89	木ノ本	Kinomoto.	42	243	133	235	483	291	218	224	496	185	427	67	3044
90	尾鷲	Owashi.	42	326	215	280	506	237	300	328	836	297	446	69	3882
91	安乘崎	Anorisaki.	18	32	21	18	68	105	166	97	385	183	268	50	1411
92	菅島	Sugashima.	31	195	109	256	144	114	230	148	507	137	366	56	2294
93	鳥羽	Toba.	28	236	118	241	178	151	235	210	618	268	398	43	2724
94	山田	Yamada.	15	132	121	179	183	139	319	231	612	233	457	48	2670
	櫛田川														
95	西黒部	Nishikurobe.	26	68	94	136	114	136	231	253	495	173	191	44	1981
96	相可	Ōka.	38	133	128	135	162	156	227	270	642	168	282	39	2380
97	松坂	Matsusaka.	27	113	97	141	130	133	233	303	587	173	211	46	2196
98	久居	Hisai.	30	86	97	164	128	205	214	290	722	196	205	42	2379
99	津	Tsu.	30	90	68	164	107	189	251	256	539	226	170	54	2165

第一表　明治廿九年降水總量 耗

TABLE I. AMOUNT OF PRECIPITATION IN 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第二區 南海ノ續	II. SOUTHERN SEA—*Continued.*													
100	古河	Furukawa.	28	83	69	144	100	212	255	269	571	249?	153	45	2179
101	白子	Shiroko.	34	66	78	151	92	136	278	183	567	183	154	48	1971
102	龜山	Kameyama.	46	173	103	198	143	131	381	410	946	134	95	54	2828
103	四日市	Yokkaichi.	37	58	86	190	122	174	405	140	669	156	222	57	2275
104	四日市	Yokkaichi.	41	84	66	133	103	174	507	87?	....	....	....	31	....
	員辨川														
105	桑名	Kuwana.	30	63	67	175	100	113?	358	72?	....	....	....	....	....
106	桑名	Kuwana.	45	78	102	222	130	169	414	114	636	175	204	55	2344
107	曽原	Sohara.	76	115	109	248	146	294	689	265	500	223	199	79	2954
	木曾川														
(105)	桑名	Kuwana.	30	63	67	175	100	113?	358	72?	....	....	....	....	....
(106)	桑名	Kuwana.	45	78	102	222	130	169	414	114	636	175	204	55	2344
108	前ヶ須	Maigasu.	42	75	103	222	110	191	398	128	781	164	210	51	2476
109	津島	Tsushima.	38	79	96	228	113	211	422	154	838	193	191	56	2620
110	笠松	Kasamatsu.	54	84	97	272	129	279	612?	175	407?	184	204	62	2560
111	犬山	Inuyama.	47	67	94	257	123	223	389	121	707	187	161	68	2447
112	太田	Ōta.	50	55	89	245	138	259	406	113	497	192	164	70	2280
113	中津川	Nakatsugawa.	48	42	79	312	109	462	434	125	457	199	161	102	2529
114	長野	Nagano.	75	91	97	367	149	....	....	....	....	....	....	....	....
115	福島	Fukushima	37	95	96	289	132	248	626	193	296	218	179	86	2496
116	吾妻	Azuma.	76	93	50	249	167	....	....	....	....	....	....	....	....
117	王瀧	Otaki.	63	113	106	316	214	....	....	....	....	....	....	....	....
118	西野	Nishino.	70	94	50	287	174	....	....	....	....	....	....	....	....
119	高須	Takasu.	41	91	110	249	142	263	477?	123?	....	....	75?	72	....
120	高田	Takata.	62	132	96	275	134	342	731	337	1008	209	213	101	3641
121	大垣	Ogaki.	70	90	105	253	119	310	699?	....	....	....	199	29?	....
122	垂井	Tarui.	113	158	124	310	221	366	672	331	1105	236	198	85	3920
123	三輪	Miwa.	144	131	96	331	246	410	843	421	988	238	209	99	4156
124	德山	Tokuyama.	402	187	271	341	286	370	899	459	1192	183	232	273	5096
125	岐阜	Gifu.	65	89	113	287	163	369	733	142	1082	193	190	69	3495
126	上有知	Kozuchi.	92	92	121	301	179	329	753	207	831	192	203	92	3392
127	八幡	Hachiman.	113	113	136	378	171	415	989	224	828	237	240	156	3999
128	白鳥	Shirotori.	247	176	156	347	189	448	864	322	915	246	234	239	4384
129	北方	Kitakata.	75	99	74	313	167	328?	736	115?	411	208	204	81	2811
130	長嶺	Nagamine.	318	185	189	304	286	443	1058	341	1402?	181	296	271	5273
131	高富	Takatomi.	87	80	91	218	124	210?	793	200	909	210	230	95	3248
132	葛原	Kuzuhara.	243	115	172	417	298	475	987	273	1235	262	265	212	4954
133	御嶽	Mitake.	57	54	91	306	155	252	435	152	508	164?	161	70	2405
134	金山	Kanayama.	71	87	99	330	139	333	760	191	551	206	196	97	3062
135	森	Mori.	75	97	93	369	184	405	937	304	479	243	198	115	3490
136	關ヶ原	Sekigahara.	—	—	—	—	—	—	532?	167	1136	184	165	144	—
137	稻澤	Inasawa.	40	73	99	225	103	235	395	147	926	187	190	60	2681
138	島	Shima.	51	67	98	254	124	253	483	112	881	188	167	69	2747
	庄内川														
139	下小田井	Shimo odai.	33	53	80	200	96	165	311	94	840	180	177	48	2279
140	勝川	Kachikawa.	26	51	80	216	106	207	332	81	608?	177	155	56	2095
141	高山	Takayama.	38	54	78	187	91	169	408	93	477	147	136	66	1945
142	布袋野	Hoteno.	41	65	80	248	120	233	386	100	776	177	160	62	2448
143	瀬戸	Seto.	41	57	96	254	107	225	359	102	449	180	163	61	2096
144	名古屋	Nagoya.	34	56	88	204	116	198	332	104	779	172	187	53	2324
145	熱田	Atsuta.	29	59	81	208	120	150	321	91	703	165	184	50	2161
146	大野	Ōno.	34	75	82	179	108	177	324	125	881	163	220	49	2417
147	小鈴谷	Kosuzuya.	—	—	—	177	115	163	308	150	730	152	266	56	—
148	豐濱	Toyohama.	36	70	86	172	117	151	229	143	509	149	204	48	1913
149	半田	Handa.	25	68	72	185	113	164	237	111	718	138	255	58	2145
150	知立	Chiriu.	34	57	73	190	104	197	245	82	521	140	226	58	1927
	矢作川														
151	西尾	Nishio.	29	67	84	215	119	153	221	172	540	156	240	60	2056
152	岡崎	Okazaki.	28	63	82	226	138	150	233	169	431	152	182	66	1920
153	擧母	Koromo.	30	57	73	220	107	198	286	111	236	138	162	58	1677
154	上	Kami.	49	7?	59	319	132	259	381	153	439	163	118	70	2150
155	龜穴	Kameana.	31	85	108	411	188	169	387	206	635	143	248	72	2683

第一表 明治廿九年降水總量 耗
TABLE I. AMOUNT OF PRECIPITATION IN 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第二區 南海ノ續	II. SOUTHERN SEA.—*Continued.*													
	矢作川ノ續														
156	足助	Asuke.	34	65	80	281	113	230	409	215	487	173	160	60	2306
157	一色	Isshiki.	26	69	82	202	130	148	226	159	611	140	230	53	2077
158	佐久島	Sakushima.	27	84	83	197	141	141	213	210	516	168	287	47	2115
159	御油	Goyu.	30	72	85	312	220	177	275	132	406	119	212	64	2104
	豊川														
160	豊橋	Toyohashi.	27	89	83	236	177	142	219	145	333	119	209	71	1851
161	富岡	Tomioka.	33	77	114	341	264	179	391	132	485	150	281	67	2515
162	新城	Shinshiro.	28	73	116	310	238	199	365	185	499	133	222	66	2435
163	田口	Taguchi.	42	106	129	519	266	265	588	289	680	197	234	104	3419
164	清岳	Kiyo-oka.	45	111	125	518	220	247	551	309	805	224	295	85	3537
165	堀切	Horikiri.	36	140	84	196	139	143	206	152	489	126	218	48	1979
166	濱松	Hamamatsu.	25	116	86	261	202	151	162	181	346	82	175	86	1874
	天龍川														
167	二俣	Futamata.	27	85	129	354	236	197	241	208	379	110	211	84	2260
168	下田	Shimoda.	46	80	120	403	201	240	592	243	534	150	224	82	2916
169	飯田	Iida.	48	69	84	207	101	242	403	138	343	152	117	....	....
170	伊那	Ina.	35	56	100	186	93	202	263	129	229	240	130	79	1743
171	上諏訪	Kamisuwa.	21	54	62	149	69	192	321	133	277	193	78	44	1593
172	御前崎	Omaisaki.	44	255	115	217	149	130	111	147	172	151	261	65	1817
173	島田	Shimada.	36	104	142	346	267	219	250	203	371	137	291	85	2451
174	静岡	Shizuoka.	32	116	166	301	255	76?	303	110?	358	171	....	....	....
	富士川														
175	岩淵	Iwabuchi.	36	120	137	288	234	189	272	195	308	155	288	88	2311
176	横根中崗	Yokonechuku.	49	34	130	245	....	....	417	....	....	110	192	73	....
177	印澤	Inzawa.	—	—	—	—	—	—	226?	101	515	165	136	42	....
178	鰍澤	Kajikazawa.	—	—	—	—	—	—	236?	182?	526	171	178	46	....
179	住吉	Sumiyoshi.	20	89	59	88	....	....	181	226?	371	129	115	35	....
180	鵜飼	Ugai.	—	—	—	—	—	—	183?	....	....	....	....	33	....
181	駒飼	Komagai.	—	—	—	—	—	—	172	253	....	118	157	35	....
182	小原西分	Koharanishibun.	—	—	—	—	—	—	199	179	223	108	103	31	....
183	釜和原	Kamawahara.	9	71	37?	....	....	....	192?	128	100	52	62	....	....
184	甲府	Kofu.	18	85	57	79	88	171	178	211	404	138	111	34	1576
185	龍王	Riuō	—	—	—	—	—	—	216?	152	425	117	124	36	....
186	御嶽	Ontake.	16	81	41	96	....	....	229	231	436	119?	....	30	....
187	韮崎	Nirasaki.	—	—	—	—	—	—	243	162	508	143	112	36	....
188	若神子	Wakamiko.	15	88	63	106	....	....	207	205	437	149	92	24	....
189	白須	Shirasu.	—	—	—	—	—	—	268	211	550	163	91	11	....
190	湯島	Yushima.	10	30	108	156	....	....	468	179	765	228	117	72	....
191	西湖	Nishinoumi.	....	130?	93	180	....	....	286	422	235	161	188	77	....
192	古關	Koseki.	—	—	—	—	—	—	61	....	585	12?	158	11	....
193	大宮	Ōmiya.	—	—	—	—	214	173	253	190	386	170	264	107	....
194	長濱	Nagahama.	32	133?	88	172	....	....	297?	410	224	169	179	64	....
195	谷村	Yamura.	23	126	83	88	....	....	206?	354?	294	170	169	27	....
196	猿橋	Saruhashi.	—	—	—	—	—	—	167	212	623	152	160	26	....
	狩野川														
197	沼津	Numatsu.	38	102	125	216	177	136	190	122	314	161	186	109	1877
198	本立野	Hontachino.	37	80?	43?	175	140	198?	194	188	266	171	209	34?	1736
199	長津呂	Nagatsuro.	—	—	—	—	138	106	99	27	114	185	138	53	—
200	石室崎	Irosaki.	22	107	50	43	106	81	16	22	125	192	153	50	967
201	神子元島	Mikomotoshima.	17	105	62	106	49	79	113	14	89	116	60	26	839
202	熱海	Atami.	57	144	93	249	165	156	222	276	411	217	201	97	2288
203	城ヶ島	Jōgashima.	29	231	106	185	103	121	70	56	147	306	152	23	1530
204	劍崎	Tsurugisaki.	19	157	61	133	144	131	101	71	111	143	257	18	1348
205	觀音崎	Kanonsaki.	40	179	95	172	175	103	105	86	115	252	272	47	1642
206	横須賀	Yokosuka.	59	130	112	180	175	117	150	92	167	246	287	50	1765
207	横濱	Yokohama.	41	136	125	184	176	117	119	106	235	230	257	48	1775
208	横濱	Yokohama.	—	—	—	—	—	—	—	—	—	203	212	54	—

第一表 明治廿九年降水總量 粍
TABLE I. AMOUNT OF PRECIPITATION IN 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第二區 南海ノ續	II. SOUTHERN SEA.—*Continued.*													
	多摩川														
209	羽田	Haneda.	30	61	53	104	104	74	62	83	137	159	155	41	1063
210	大師河原	Daishigawara.	33	87	76	138	146	70	89	74	153	142	184	31	1226
211	八王子	Hachiōji.	25	129	65	102	130	94	198	180	385	160	172	32	1673
212	千ヶ瀬	Chigase.	21	105	51	87	125	96	254	413	876	126	125	20	2298
213	品川	Shinagawa.	53	124	95	162	224	115	121	275	281	272	299	69	2092
	荒川														
214	東京	Tōkiō.	36	105	74	118	130	74	67	153	209	171	196	40	1374
215	浦和	Urawa.	21	67	56	82	104	65	87	109	180	132	87	14	1004
216	熊谷	Kumagaya.	10	68	43	74	97	69	133	263	509	94	111	4	1475
217	熊谷	Kumagaya.	—	—	—	—	—	—	—	—	—	—	—	4	—
218	大宮鄉	Ōmiyago.	6	79	41	48	82	64	173	197	313	102	96	5	1206
219	飯能	Hannō.	22	87	52	62	108	83	214	334	697	117	132	19	1929
220	野島崎	Noshimasaki.	82	183	169	114	146	102	108	48	309	174	247	73	1758
221	犬吠崎	Inuboyesaki.	61	180	261	319	185	88	70	95	87	377	236	77	2037
	利根川														
222	銚子	Chōshi.	56	130	126	172	132	74	64	42	93	317	225	55	1486
223	關宿	Sekiyado.	14	102	56	93	134	49	193	190	176	121	94	16	1238
224	前橋	Mayebashi.	6	49	16	60	66	117	232	203	253	110	73	3	1189
225	前橋	Mayebashi.	—	—	—	—	—	—	—	—	—	—	—	3	—
226	澁川	Shibukawa.	—	—	—	—	—	—	—	—	—	—	84	6	—
227	沼田	Numada.	23	82	37	66	64	80	240	271	173	118	76	9	1238
228	沼田	Numada.	—	—	—	—	—	—	—	—	—	—	83	5	—
229	小日向	Kobinata.	—	—	—	—	—	—	—	—	—	—	125	49	—
230	下舘	Shimodate.	22	96	50	75	109	58	174	123	283	128	124	25	1267
231	眞岡	Maoka.	10	84	13	74	106	63	77	128	311	99	110	15	1091
232	東鄉	Higashigō.	18	93	53	101	....	....	....	....	....	....	....	....	....
233	宇都宮	Utsunomiya.	19	105	52	86	136	105	153	150	456	127	126	14	1529
234	鹿沼	Kanuma.	12	95	45	105	69	81	204	159	401	135	139	13	1460
235	栃木	Tochigi.	13	96	43	69	89	118	153	154	390	124	117	12	1379
236	佐野	Sano.	19	86	19	65	83	97	181	125	292	30?	84	1	1083
237	舘林	Tatebayashi.	—	—	—	—	—	—	—	—	—	—	59	7	—
238	足利	Ashikaga.	2	28	19	29	16	86	89	141	234	54	30	1	729
239	太田	Ōta.	—	—	—	—	—	—	—	—	—	—	68	3	—
240	桐生	Kiriu.	—	—	—	—	—	—	—	—	—	—	55	3	—
241	花輪	Hanawa.	—	—	—	—	—	—	—	—	—	—	75	7	—
242	伊勢崎	Isezaki.	—	—	—	—	—	—	—	—	—	—	77	2	—
243	萬場	Manba.	—	—	—	—	—	—	—	—	—	—	81	5	—
244	藤岡	Fujioka.	—	—	—	—	—	—	—	—	—	—	90	1	—
245	富岡	Tomioka.	—	—	—	—	—	—	—	—	—	—	82	4	—
246	下仁田	Shimonita.	—	—	—	—	—	—	—	—	—	—	77	4	—
247	高崎	Takasaki.	—	—	—	—	—	—	—	—	—	—	98	4	—
248	安中	Annaka.	—	—	—	—	—	—	—	—	—	—	71	3	—
249	三ノ倉	Sannokura.	—	—	—	—	—	—	—	—	—	—	84	6	—
250	須賀川	Sukagawa.	—	—	—	—	—	—	—	—	—	—	80	56	—
251	中之條	Nakanojō.	—	—	—	—	—	—	—	—	—	—	98	13	—
252	草津	Kusatsu.	—	—	—	—	—	—	—	—	—	—	100	71	—
	第三區 東海	III. EASTERN SEA													
	那珂川														
1	水戶	Mito.	23	111	55	90	128	90	65	91	183	163	161	9	1169
2	矢板	Yaita.	36	36	55	90	120	107	207	212	450	128	93	19	1553
3	太田原	Ōtawara.	18	120	58	98	111	154	180	208	517	146	112	22	1744
4	大子	Daishi.	15	102	56	80	66	82	177	191	582	165	107	23	1645
5	棚倉	Tanagura.	22	124	87	82	90	144	242	197	582	149	124	1	1845
6	平	Taira.	58	186	30	157	100	91	132	105	283	206	186	29	1563
7	小濱	Obama.	3	238	62	46	124	97	197	112	311	166	66	6	1429
8	中村	Nakamura.	6	16	51	4	75	118	205	87	233	126	82	17	1021
	阿武隈川														
9	角田本鄕	Kakudahongō.	....	148	53	113	65	51	160	133	252	125	103	13	....

第一表　明治廿九年降水總量

TABLE I. AMOUNT OF PRECIPITATION IN 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第三區　東海ノ續	III. EASTERN SEA.—*Continued.*													
	阿武隈川ノ續														
10	桑折	Kōri.	49	148	44	22	51	135	215	122	210	106	124	10	1236
11	福島	Fukushima.	38	116	60	18	66	141	246	166	256	92	136	22	1357
12	二本松	Nihonmatsu.	33	90	65	53	46	105	204	154	335	67	92	14	1257
13	三春	Miharu	52	86	44	56	63	79	277	109	243	83	97	24	1215
14	郡山	Kōriyama.	66	80	46	44	14	87	211	87	219	98	66	18	1036
15	須賀川	Sukagawa.	40	74	55	71	75	92	184	174	277	145	103	29	1321
16	石川	Ishikawa.	6	11	10	79	74	80	174	92	412	140	75	14	1168
17	白河	Shirakawa.	19	110	30	72	95	96	148	188	207	49	80	10	1106
18	大河原	Ōkawara.	40	119	....	58?	21?	69?	163?	102?	234	121?	128	15	....
	名取川														
19	長町	Nagamachi.	24	152	21?	20	74	84	225	123	275	142	108	24	1272
20	仙臺	Sendai.	30	168	57	21	76	108	277	149	301	174	100	10?	1471
21	仙臺	Sendai.	27	171	53	26	67	149	206	105	275	145	115	30	1370
22	南ノ目	Minaminome.	26	162	59	19	71	85	255	104	274	144	82	16	1298
	鳴瀬川														
23	古川	Furukawa.	65	138	54	11	52	93	245	102	200	144	99	28	1232
24	吉岡	Yoshioka.	54	190	69	21	75	114	260	163	218	175	145	....	
	北上川														
25	石卷	Ishinomaki.	16	142	62	32	48	106	180	113	187	160	113	20	1180
26	一ノ關	Ichinoseki.	42	119	42	154	82	146	271	211	304	57	76	55	1560
27	水澤	Mizusawa.	69	107	66	65	50	182	388	110	277	156	145	53	1670
28	花卷	Hanamaki.	64	97	130	106	56	78	344	117	370	162	176	121	1820
29	盛岡	Morioka.	35	77	52	109	52	205	535	213	401	199	159	48	2086
30	涌谷	Wakuya.	....	....	....	21	53	89	222	194	202	169	121	22	....
(23)	古川	Furukawa.	65	138	54	11	52	93	245	102	200	144	99	28	1232
31	佐沼	Sanuma.	....	....	....	19	44	77	213	71?	119?	....	....	....	....
32	築館	Tsukidate.	45	166	86	14	36	107	324	106	86?	145	82	22	1219
33	遠野	Tōno.	26	79	25	78	68	77	421	86	288	161	82	31	1424
34	金華山	Kinkwasan.	37	275	91	59	139	101	226	138	257	172	205	25	1725
35	盛	Sakari.	36	174	84	124	139	141	304	147	270	174	141	24	1757
36	宮古	Miyako.	19	187	62	41	51	92	193	314	262	145	159	20	1545
37	久慈	Kuji.	8	204	74	72	27	89	202	297	242	165	211	13	1605
	馬淵川														
38	八戸	Hachinohe.	19	162	33	12	7?	81	330	171	231?	125	126?	38	1337
39	三戸	Sannohe.	—	—	—	73	55	87	287	309	302	163	152	41	—
40	福岡	Fukuoka.	27	102	41	55	55	100	362	270	380	176	163	60	1791
41	七戸	Shichinohe.	32	175	62	48	49	107	365	204	323	160	127	53	1706
42	茂寄	Moyori.	16	15	16	11	....	....	....	....	....	....	....	....	....
43	下帶廣	Shimo-obiruhiro.	56	61	27	46	27	113	259	199	253	129	87	25	1283
44	大津	Ōtsu.	33	71	61	168	....	....	....	....	....	....	....	....	....
45	白糠	Shiranuka.	—	—	—	24	56	70	53	88	203	44	22	22	—
46	鳥取	Tottori.	62	79	60	....	....	....	....	....	....	....	....	....	....
47	舌辛	Shitakara.	23	24	5	56	12	135	15	10	259	96	....	11	....
	釧路川														
48	釧路崎	Kushirozaki.	25	87	11	71	44	286	151	181	424	129	106	27	1542
49	標茶	Shibecha.	44	76	28	105	65	256	150	193	314	137	83	32	1484
50	大黑島*	Daikokushima.*	49	79	29	102	91	212	208	84	290	134	112	21	1411
51	霧多布	Kiritafu.	4	....	....	67	73	172	14	74	211	134	49	15	....
52	落石崎	Otchishisaki.	74	47	42	125	93	272	142	154	366	164	197	64	1740
53	納沙布崎	Nashafsaki.	16	24	19	26	18	62	52	48	130	54	56	16	521
54	辨天島	Bentenshima.	198	299	91	77	174	169	104	85	193	95	110	69	1665
55	根室	Nemuro.	35	54	21	56	46	195	86	98	221	84	80	34	1010
56	別海	Bekkai.	1	0	15	16	26	111	35	27	88	32	36	27	415
57	計羅武威岬	Keramuimisaki.	35	78	22	59	104	295	97	161	293	165	153	45	1507
58	泊	Tomari.	....	....	....	....	....	....	87	124	263	115	87	....	....
59	標津	Shibetsu.	27	7	2	9	17	37	19	70	366	185	....	....	....
60	蘂取	Shibetoro.	73	27	52	70	61	51	33	97	133	141	173	98	1005

厚岸灣 * Gulf of Akkeshi.

第一表　明治廿九年降水總量 粍

TABLE I. AMOUNT OF PRECIPITATION IN 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第四區 内海	IV. INLAND SEA.													
	甲 南岸	a. S. Coast.													
1	部崎	Hesaki.	86	67	101	238	217	366	196	40	70	95	182	206	1867
2	行事	Gioji.	54	77	88	104	105	144	205	89	84	104	118	114	1288
3	椎田	Shiita.	—	—	—	—	—	—	298	123	105	126	117	68	—
4	戸原	Tohara.	38	89	99	185	263	265	371	210	119	145	104	76	1964
5	中津	Nakatsu.	24	55	47	139	....	173	339	118	....	120	99	45	—
6	四日市	Yokkaichi.	37?	65?	86?	133	277	211	322	121	172	162	98	66	1752
7	龍王	Riuō.	42	82	87	128	333	208	315	204	192	193	....	50	....
8	玉津	Tamatsu.	40	73	67	107	255	168	328	75	132	169	95	54	1563
9	鶴川	Tsurukawa.	26?	84	110	90	284	162	137	64	65	164	115	79	1380
10	日出	Hide.	53	80	78	98	370	182	244	71	140	190	94	39?	1640
	大分川														
11	大分	Oita.	46	80	111	130	399	150	254	77	207	233	89	20	1796
12	高岡	Takaoka.	49	83	103	137	287	196	236	153	232	232	127	32	1869
	大野川														
13	市場	Ichiba.	24	74	112	138	195	193	281	84	244	134	77	24	1580
14	竹田	Takeda.	45	69	93	125	150	121	180	144	204	95	80	16	1322
15	臼杵	Usuki.	14?	11?	71	128	413?	165	520	34	225	234?	86	26	1928
	肱川														
16	大洲	Ozu.	51	133	87	203	243	234	261	129	136	142	69	99	1787
17	卯ノ町	Unomachi.	80	75	100	352	333	174	294	227	165	205	104	91	2200
18	郡中	Gunchu.	29	51	50?	162	225	151	199	179	123	139	87	48	1445
19	松山	Matsuyama.	34	53	77	168	237	137	199	172	123	129	106	64	1501
20	三津	Mitsu.	25	53	80	201	211	145	219	133	110	126	97	63	1464
21	釣島	Tsurishima.	46	71	101	191	206	152	239	121	105	163	127	54	1579
22	大下島	Ogeshima.	29	75	66	195	142	209	196	133	68	76	43	77	1309
23	波止濱	Hashihama.	39	53	69	144	122	151	211	106	76	132	126	49	1277
24	今治	Imabaru.	41	48	75	141	130	122	167	103	124	135	84	47	1219
25	西條	Saijo.	33	54	79	139	240	121	302	168	208	167	77	41	1629
26	多喜濱	Takihama.	37	53	73	145	146	127	280	138	193	163	67	49	1471
27	川ノ江	Kawanoye.	51	72	72	120	136	141	388	217	237	185	73	55	1746
28	大野原	Onohara.	....	....	....	....	104	98	306	227	....	....	62	....	....
	財田川														
29	觀音寺	Kwanonji.	....	58?	65?	149	116	125	263	193	179?	....	60	....	....
30	財田上	Takaradakami.	29	86	78	145	124	112	294	279	301	121	76	57	1702
31	七個	Shichika.	32	63?	78	128	104	117	277	326	259?	81?	66	59	1590
32	大濱浦	Ohamaura.	38	41	61	98	82	107	191	134	157	122	84	47	1162
33	多度津	Tadotsu.	35	58	63	151	93	106	226	145	171	111	71	54	1285
34	岡田	Okada.	31	100	70	139	114	121	236	238	242	95	65	53	1505
35	琴平	Kotohira.	43	111	71	161	119	140	308	252	276	94	69	52	1697
36	丸龜	Marugame.	34	61	65	....	....	....	....	....	....	....	....	....	....
37	宇多津	Udatsu.	30	64	66	147	92	105	224	145	160	118	73	65	1291
38	坂出	Sakaide.	24	61	45	129	80	105	203	137	157	103	70	51	1165
39	坂出	Sakaide.	24	54	59	97?	....	....	....	....	....	....	....	....	....
40	新名	Shinmii.	30	73	73	108?	133	146	234	258	264	....	71	66	....
41	扮所西	Sogishonishi.	50	90	70	125	111	119	290	303	348	91	71	61	1729
42	安原下	Yasuharashimo.	33	82	62	130	134	165	301	479	393	88	76	56	2000
43	高松	Takamatsu.	26	64	65	125	72?	111	225	152	262	92	70	54	1320?
44	西潟元	Nishikatamoto.	24	66	57	106	99	107	160	110	163	113	57	43	1106
45	志度	Shido.	25	62?	61?	....	....	....	....	....	....	....	....	....	....
46	長尾西	Nagaonishi.	21	77	76	100?	103	100	291	186	373	105	53	45	1531?
47	土庄	Tonosho.	18	54?	26?	129	62	95	279	155	279	89	61	42	1291?
48	鍋島	Nabeshima.	18	74	67	107	79	90	211	158	185	131	92	48	1261
49	男木島	Otokogishima.	20	58	57	157	79	118	214	134	273	133	63	96	1405
50	松原	Matsubara.	28	84	79	127	133	144	283	215	519	102	59	51	1825
51	江崎	Yesaki.	19	64	87	199	111	118	247	116	401	113	196	73	1744
52	苫ヶ島	Tomogashima.	41	132	106	214	160	177	244	202	634	201	328	74	2515
	第四區 内海ノ續	IV. INLAND SEA.—*Continued*													
	乙 北岸	b. N. Coast.													
1	壇ノ浦	Dannoura.	93	76	95	246	272	416	238	135	80	125	105	109	1991
2	豐浦	Toyora.	90	64	81	236	241	340	198	92	90	106	101	138	1777

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m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第四區 內海ノ續 乙 北岸ノ續	IV. INLAND SEA.—*Continued.* b. *N. Coast-Continued.*													
	木屋川														
3	上保木	Kamiboki.	88	72	76	255	268	271	167	89	83	73	97	131	1670
4	船木	Funaki.	50	48	88	185	145	78	89	40	39	59	31	76	928
5	西須惠	Nishisui.	56	77	90	181	209	320	....	79	73	93	....	....	....
	厚東川														
6	太田	Ōta.	75	123	80	233	254	381	198	86	81	134	99	126	1873
7	嘉萬上郷	Kamakamigō.	92	129	89	220	236	331	236	133	....	130	126	154	....
	椹野川														
8	下郷	Shimogō.	65	96	81	294	277	335	313	61	51	72	....	....	....
9	山口	Yamaguchi.	83	115	101	311	267	346	272	104	101	165	104	104	2074
10	仁保中郷	Nihonakagō.	79	92	75	288	246	273	313	92	62	155	103	69	1849
	佐波川														
11	野谷	Noya.	....	....	....	....	....	....	....	....	138	161	....	....	....
12	三田尻	Mitajiri.	33	88	80	239	237	319	322	82	73	165	120	91	1848
13	濱方	Hamakata.	36	92	83	231	259	309	233	57	62	118	....	....	....
14	德山	Tokuyama.	27	94	95	274	242	270	307	....	....	....	....	....	....
15	八代	Yatsushiro.	37	108	111	396	320	354	333	95	99	145	103	....	....
16	下久原	Shimokubara.	13?	59?	103	221	226	368	92?	83	101	237	....	80	....
17	室積	Murotsumi.	28	73	87	206	268	150	490	76	63	138	114	122	1815
18	上ノ關	Kaminoseki.	46	55	99	181	266	179	280	78	....	150	146	60	....
19	東屋代	Higashiyashiro.	19?	....	....	....	233	230	....	....	....	....	....	....	....
20	和田	Wada.	42	94	109	217	204	....	....	....	....	....	....	....	....
	錦川														
21	岩國	Iwakuni.	26	77	105	201	181	255	211	44	54	160	128	123	1565
22	須々萬本郷	Susumahongō.	52	123	105	....	....	....	....	....	....	....	....	....	....
23	鹿野上	Kanokami.	102	160	152	386	288	372	401	185	113	207	145	134	2646
24	宇佐郷	Usagō.	....	152	97	....	....	....	....	77	109	....	....	....	....
25	大竹	Ōtake.	—	93	113?	230	218	234?	224?	76	49	183	107	84	—
26	津田	Tsuda.	46	117	94	252	206	290	319	123	81	195	102	96	1922
27	廿日市	Hatsukaichi.	19	54	26	43	163	301	221	47	41	13	11	14	954
	太田川														
28	廣島	Hiroshima.	20	85	84	224	170	230	188	63	52	146	87	70	1420
29	祇園	Gion.	—	—	—	272	174	221	....	....	....	....	....	....	....
30	可部	Kabe.	49	111	68	243	148	206	227	78	69	138	94	70	1502
31	加計	Kake.	84	138	88	140	115	256	313	118	105	136	113	125	1731
32	井原	Ihara.	7?	44?	32	177	138	108	185	49	89	82	15?	31	956
33	戸河内	Togauchi.	65	177	91	184	108	178	233	25	37	84	98	77	1359
34	東八幡	Higashiyawata.	—	—	—	28	131	219	332	279	146	105	128	22	—
35	政所	Seisho.	—	—	—	86	145	269	268	223	90	98	135	202	—
36	吉浦	Yoshiura.	....	....	61	190	161	239	167	68	58	151	85	52	....
37	吳	Kure.	20	79	78	213	168	278	180	73	63	162	104	57	1475
38	南方	Nanhō.	—	—	—	—	138	216	156	78	49	103	71	41	....
39	西條	Saijō.	29	79	71	202	147	287	189	92	66	137	81	59	1440
40	竹原	Takehara.	26	62	59	177	173	205	188	116	73	132	89	46	1347
41	大久野島	Ōkunoshima.	23	39	31	93	72	89	105	82	68	78	116	77	875
42	忠海	Tadanomi.	29	63	62	137	127	129	149	97	69	108	79	41	1101
43	戸野	Tono.	8?	51	64	129	133	211	212	129	61	98	78	59	1234
44	乃美	Nomi.	—	75	....	174	66	201	175	....	64	130	63	45	....
45	尾道	Onomichi.	27	60	58	137	122	154	218	117	100	100	76	41	1211
46	松永	Matsunaga.	23	61	52	138	131	138	197	151	103	....	80	40	....
47	百貫島	Hiakukwanshima.	19	42	47	105	71	101	167	54	116	108	142	35	1007
48	鞆	Tomo.	—	—	14	138	119	103	249	98	120	72	71	40	—
	蘆田川														
49	福山	Fukuyama.	26	49	52	145	110	123	174	140	109	109	92	39	1166
50	府中市	Fuchuichi.	17	52	36	151	167	198	228	141	104	123	88	33	1341
51	甲山	Kōzan.	—	—	64	188	125	264	213	185	98	101	78	41	....
52	市村	Ichimura.	—	—	—	—	91	222	215	182	101	107	84	54	....

第一表 明治廿九年降水總量 粍

TABLE I. AMOUNT OF PRECIPITATION IN 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第四區 乙	内海ノ續 北岸ノ續	IV. b.	INLAND SEA—*Continued.* N. *Coast-Continued.*											
	蘆田川ノ續														
53	江木	Yeki.	18	65	67	168	136	224	207	131	93	115	27	62	1312
54	東中條	Higashi-nakajō.	—	—	—	—	—	163	157	93	76	99	74	37	—
55	笠岡	Kasaoka.	13	57	51	138	100	110	198	141	113	96	68	40	1126
56	玉島	Tamashima.	12	67	53	134	89	104	188?	86	143	103	86	40	1104
	高梁川														
57	倉敷	Kurashiki.	15	42	56	130	92	94	240	116	179	103	85	45	1197
58	岡田	Okada.	23	61	59	140	92	134	215	98	140	112	80	48	1203
59	高梁	Takahashi.	18	75	56	157	96	147	193	139	141	118	76	47	1263
60	新見	Niimi.	47	82	73?	185	85	210	241?	76	131	73?	74?	73	1352
61	西江原	Nishiebara.	13	66	49	109?	101?	162	193	168	112	106	68	42	1189
62	東城	Tōjō.	—	—	—	—	—	—	332	118	104	104	82	89	—
63	油木	Yuki.	—	—	—	—	62	192	255	162	109	126	86	67	—
64	原古才	Harakosai.	6?	60	69	153	85	140	244	71	183	88?	75?	35?	1210
65	味野	Ajino.	18	53	58	126	85	79	181	149	140	108	87	36	1122
66	東野崎	Higashinosaki.	15	67	61	135	79	95	223	101	158	115	88	46	1183
	旭川														
67	下出石	Shimoizuishi.	14	63	58	131	65	118	240	85?	139	104	92	51	1159
68	岡山	Okayama.	13	69	58	134	81	113	208	82	141	103	91	47	1138
69	金川	Kanagawa.	14	65	63	143	90	194	247	93	169	101	77	51	1306
70	下弓削	Shimoyuge.	15	67	70	173	100	197	198?	164	171	118	74	52	1399
71	勝山	Katsuyama.	58	101	54	202	70	281?	247	172	135	104	118	85	1628
72	湯本	Yumoto.	19	167	122	167	93	299	358	143?	164	99	157	101	1888
73	西輕部	Nishikarube.	12	73	60	153	85	178	264	120	182	108	85	48	1371
	吉井川														
74	西大寺	Saidaiji.	8	68	58	138	73	98	224	88	158	84	88	46	1130
75	周匝	Susai.	12	76	64	182	86	....	....	....	....	....	....	....	....
76	津山	Tsuyama.	47	77	69	197	92?	246	222	124	149	105	75	58	1462
77	倉敷	Kurashiki.	11	77	67	161	79	189?	296	55?	164	86?	82	59	1327
78	勝間田	Katsumada.	17	77	67	185	74	174	275	121	238	101?	62?	60	1451
79	西片上	Nishikatakami.	11	69	61	141	89	141	340	98	180	61?	85	51	1328
	千種川														
80	尾崎	Osaki.	15	59	73	105	97	139	352	137	250	75	72	73	1448
81	大持	Daimochi.	10	89	82	215	149	220	411	149	222	148	139	56	1842
82	佐用	Sayō.	16	86	72	179	109	256	445	85	113	119	90	62	1632
	揖保川														
83	龍野	Tatsuno.	15	93	87	224	119	226	267	106	290	88	101	45	1662
84	安積	Azumi.	25	100	94	216	95?	240	370?	28?	262	145	121	85	1781
	市川														
85	西田原	Nishitawara.	17	116	85	207	112	227	298	135	385	128	133	60	1905
86	生野	Ikuno.	88	94	123	140	99	252	221	244	334	67	107	73	1793
87	大鹽	Ōshio.	13	60	66	184	95	95	302	107	409	80	83	53	1547
	加古川														
88	加古川	Kakogawa.	12	56	63	177	71	99	217	110	508	103	110	51	1577
89	佐治	Saji.	45	135	105	188	127	183	300	343	339	132	171	85	2154
90	篠山	Sinoyama.	28	102	99	207	93	200	308	321	329	154	163	84	2088
91	和田岬	Wadanomisaki.	17	51	89	225	106	154	306	302	242	117	171	73	1853
92	神戸	Kōbe.	—	—	—	—	—	—	—	—	—	—	—	59	—
	池田川														
93	池田	Ikeda.	23	104?	138	310	50?	117	....	....	....	....	....	....	....
94	宿野	Shikuno.	16	56?	87?	110?	106	146?	232?	331	301	117	87?	105	1594
95	地黄	Jiō.	16	91	74?	249	85	176	279	362	386	241	143	71	2174

第一表 明治廿九年降水總量 粍

TABLE I. AMOUNT OF PRECIPITATION IN 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第四區 乙	內海ノ續 北岸ノ續	IV. INLAND SEA.—*Continued.* b. *N. Coast-Continued.*												
	澱川														
96	本酉島	Hontorishima.	24	86	70	182?	90	135	196?	137	324	105	201	55	1605
97	天保山	Tenposan.	29	84	86	224	83	115	220	163	328	94	195	49	1671
98	大阪	Ōsaka.	25	83	77	222	88	147	221	268	304	104	197	51	1788
99	大阪	Ōsaka.	25	72	71	217	91	147	225	249	298	53	213	40	1700
100	炭屋	Sumiya.	23	63	70	212	83	144	239	214	302	91	183	47	1672
101	天王寺	Tennōji	13?	78	77	210	87	....	....	....	....	....	175	49	....
102	茨木	Ibaraki.	30	92	69	246	83	170	253	186	124?	162	181	58	1655
103	枚方	Hirakata.	30	74	84	225	78	110	166?	136	48?	165	209	42	1369
104	向日	Mukō.	23	85	69	238	72	141	319	166	257	160	159	63	1753
105	淀	Yodo.	27	82	67	249	77	155	285	185	52?	182	180	59	1600
106	伏見	Fushimi.	30	75	76	240	62	155	305	184	277	155	166	60	1784
107	醍醐	Daigo.	15	77	71	212	68	166	300	186	291	208	181	60	1835
108	草津	Kusatsu.	32	80	82	201	105	191	394	196	447	201	174?	43	2146
109	水口	Minaguchi.	49	74	79	182	65	206	409	200	630	191	161	92	2337
110	八幡	Hachiman.	75	61?	87	214	74	231	433	204	279?	254	155	58	2125
111	愛知川	Ichigawa.	88	95	62	200	64	229	407	195	788	197	102	73	2500
112	山上	Yamakami.	116	99	78	160	61	206	470	346	1034	146	112	94	2922
113	彥根	Hikone.	121	113	76	229	86	240	492	279	1019	170	147	97	3069
114	長濱	Nagahama.	194	114	76	220	77	344	518	192	203?	....	127	160	....
115	木ノ本	Kinomoto.	....	135	127	209	97	283	507	223	795	198	180	197	....
116	中河內	Nakakawachi.	337?	91?	70	138?	179	298	546	309	214?	287	262	427	3158
117	今津	Imazu.	169	184	155	207	87	245	530	191	332?	84?	224	147?	2558
118	比叡山	Hieizan.	37	78	86	280	95	264	491	197	396	215	160	62	2362
119	大津	Ōtsu.	34	87	86	252	95	197	426	228	444	195	175	76	2294
120	田邊	Tanabe.	30	80	72	216	71	181	276	151	294	161	155	54	1741
121	木津	Kizu.	18	55	61	191	78	151	228	64?	162?	108	133?	43	1294
122	名張	Nabari.	30	56	81	165	94	181	276	547	569	88	124	76	2289
123	名張	Nabari.	34	46	73	127	89	148	320	379	610	78	145	82	2131
124	上野	Ueno.	32	55	47	202	81	175	313	256	552	118	87	62	1982
125	太秦	Uzumasa.	27	77	70	227	72	160	358	134?	254	174	156	67	1779
126	龜岡	Kameoka.	20	101	81	235	75	158	418	200	321	176	143	77	2006
127	園部	Sonobe.	34	101	87	199	61	163	334	245	270	164	153	76	1888
128	周山	Shuzan.	41	134	95	213	61	188	378	269	272	176	151	77?	2056
129	京都	Kioto.	28	83	70	243	73	166	360	228	321	184	167	72	1995
130	田中	Tanaka.	27	75	70	226	66	175	355	130?	275?	179	157	66	1801
	大和川														
131	八尾	Yao.	22	74	72	160	71	150	122	151	306	63	157	42	1392
132	柏原	Kashiwahara.	31	70	76	190	89	142	207	153	318	67	175	60	1577
133	富田林	Tondabayashi.	39	73	67	185	90?	124?	178	134	274	97	104	59	1425
134	奈良	Nara.	43	51	61	183	95	236	65?	211	387	....	....	....	....
135	初瀬	Hatsuse.	39	59	69	180	95	156	372?	313	516	106	61	85	2053
136	田原	Tahara.	30	62	64	255	69	169	263	152	306	130	190	53	1743
137	御所	Gose.	33	46	80	134	91	149	155	241	320	106	187	84	1627
138	堺	Sakai.	26	60	71	194	72	141	231?	174?	321	108	180	62	1642
139	長承寺	Chōshōji.	24	68	68	179	117	123	256	218	269	92	228	60	1703
140	岸和田	Kishiwada.	30	81	75	169	98	143	242	205	350	100	184	53	1729
141	尾崎	Osaki.	....	....	....	218?	130	117?	301?	198?	437	....	....	....	....
142	谷川	Tagawa.	32	97	75	210	151	144?	212?	145	364	131	161	55	1778
	第五區	日本海	V. SEA OF JAPAN.												
1	三ツ島	Mitsushima.	11	80	95	189	88	196	228	226	37	38	55	135	1378
2	佐須奈	Sasuna.	20	102	112	253	95	251	273	260	96	50	148	142	1802
3	嚴原	Itsugahara.	50	91	125	310	156	480	276	199	88	78	151	146	2152
4	神崎	Kamisaki.	4	9	33	193	188	257	232	159	56	100	89	87	1408
5	武生水	Mushozu.	61	107	111	287	192	315	239	207	54	37	119	366	2097
6	伊萬里	Imari.	70	85	125	214	215	270	99	203	92	105	100	155	1737
7	唐津	Karatsu.	58	75	94	190	221	242	254	157	70	48	23	210	1643
8	烏帽子島	Yeboshishima.	37	77	70	173	131	284	261	55	20	20	56	55	1240
9	前原	Mayebara.	35	....	....	....	....	....	....	365	49	50	127	82	....
10	福岡	Fukuoka.	33	61	76	169	184	262	236	205	61	66	102	94	1551
11	二日市	Futsukaichi.	37	60	78	....	....	....	256	145	83	102	122	121	....
12	大川	Ōkawa.	58	71	82	192	147	293	276	191	79	74	103	115	1682
13	東鄉	Togō.	61	97	88	178	139	250	258	150	39	77	83	108	1528

第一表 明治廿九年降水總量表
TABLE I. AMOUNT OF PRECIPITATION IN 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第五區 日本海ノ續	V. SEA OF JAPAN.—*Continued.*													
	遠賀川														
14	蘆屋	Ashiya.	....	....	....	....	....	....	....	153	42	82	100	84	....
15	直方	Naokata.	....	....	....	....	....	....	....	....	85	115	102	111	....
16	直方	Naokata.	44	54	....	168	209	....	....	....	....	....	....	121	....
17	飯塚	Iizuka.	54	91	75	....	184	229	337	37	88	120	74	103	....
18	土居	Doi.	63	89	96	203	236	339	....	206	103	114	80	73	....
19	香春	Kaharu.	....	....	....	123	85	....	456	68	70	84	102	109	....
20	添田	Soeda.	62	96	70	195	268	295	377	302	135	136	140	86	2162
21	小倉	Kokura.	....	79	88	159	218	....	223	114	42	101	97	81	....
22	白洲	Shirasu.	82	103	107	289	285	471	217	153	59	97	157	146	2117
23	六連島	Mutsurenshima.	84	65	108	205	246	360	181	101	67	95	92	97	1702
24	赤間關	Akamagaseki.	69	63	79	179	231	307	193	75	77	102	87	92	1554
25	小串	Kogushi.	66	71	62	199	197	271	140	85	61	90	78	119	1410
26	角島	Tsunoshima.	46	104	101	209	173	229	159	112	67	73	132	112	1518
27	河原	Kawara.	65	100	86	187	200	260	295	141	104	100	102	123	1764
28	東深川	Higashifukagawa.	73	106	92	132	140	176	207	....	81	58	....	....	....
29	見島	Mishima.	41	137	61	199	109	273	242	88	52	74	104	92	1473
	松本川														
30	萩	Hagi.	100	136	81	147	114	244	198	37	93	63	61	141	1413
31	生雲中	Ikumonaka.	79	159	105	210	192	274	137	96	102	....	....	....	....
32	佐々並	Sasanami.	....	....	....	....	125	148	143	47	....	99	44	89	—
33	嘉年上	Kanekami.	....	....	....	....	....	....	251	156	147	....	....	....	—
34	須佐	Susa.	70	107	77	151	131	165	283	153	156	127	132	154	1708
35	津和野	Tsuwano.	72	128	112	163	197	262	279	204	151	112	131	136	1948
36	益田本郷	Masudahongō.	84	148	73	160	114	120	226	139	175	142	132	146	1660
37	濱田	Hamada.	64	129	58	187	113	239	232	88	95	122	91	141	1560
	郷川														
38	川本	Kawamoto.	95	165	72	139	124	244	232	93	46	79	77	133	1499
39	濱原	Hamahara.	96	88	64	126	101	266	522	215	93	111	124	245	2050
40	三次	Miyoshi.	69	106	61	157	94	266	233	126	113	123	77	101	1526
41	三良坂	Mirasaka.	—	—	—	156	103	224	245	172	101	113	73	66	—
42	西野	Nishino.	18	79	58	118	69	169	145	178	87	123	73	50	1166
43	生田	Ikuta.	77	137	96	184	89	310	181	132	126	126	123	140	1723
44	吉田	Yoshida.	43	61	44	115	99	237	212	104	162	131	98	77	1384
45	壬生	Mibu.	20	89	38	170	100	262	334	160	91	182	104	83	1635
46	大朝	Ōasa.	92	160	94	154	99	278	214	98	73	124	120	151	1657
47	上布野	Kamifuno.	—	—	—	156	97	327	263	147	98	103	92	117	—
48	新市	Shinichi.	—	86	98	182	102	294	340	161	96	123	130	1?	—
49	庄原	Shōhara.	24	10	49	145	51	188	223	105	137	126	41?	37	1136
50	西城	Saijō.	14	48	45	202	132	458	689	245	63	102	88	93	2181
51	小島原	Koshimahara.	53	96	67	214	85	355	523	179	134	121	116	131	2074
52	大森	Ōmori.	89	149	71	179	88	295	590	111	79	66	290	147	2156
53	今市	Imaichi.	80	146	83	164	60	281	303	107	114	121	152	183	1794
	斐伊川														
54	大東	Daitō.	64	46	88	154	122	244	416	136	118	126	140	238	1893
55	掛合	Kakeya.	130	201?	44	71?	106	88	167	32	142	183	131	153?	1450
56	福富	Fukudomi.	58	190	93	189	67	327	366	93	106	122	165	235	2011
57	廣瀬	Hirose.	53	143	97	126	40	216	342	78	113	102	193	157	1660
58	八田	Hatta.	90	126	110	274	37	254	350	106	74	173	102	256	1952
59	米子	Yonago.	48	164	83	137	26	226	178	123?	58?	105	124	....	....
60	境	Sakai.	90	219	89	169	62	260	361	124	100	134	158	301	2067
61	境	Sakai.	131	203	120	254	79	246	352	140	102	140	179	275	2222
	日野川														
62	二部	Nibu.	93	142?	108	144	44	216	348	139	133	119	199	160	1846
63	黒阪	Kurozaka.	93	143	78	74	52	180	394	161	99	107	147	109	1637
64	多里	Tari.	66	132?	89?	86	57	227	339	195	121	103	103	165	1685
65	佐摩	Sama.	98	163	127	164	80	278	339	122	230	155	177	240	2173
66	御來屋	Mikuriya.	43	85?	83	152	47	206	309	91	144	115	137	213	1626

第一表　明治廿九年降水總量 粍

TABLE I. AMOUNT OE PRECIPITATION IN 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第五區 日本海ノ續	V. SEA OF JAPAN.—*Continued.*													
67	八橋	Yahashi.	90?	73?	....	111	54	179	171	....	....	....	....	....	....
68	倉吉	Kurayoshi.	64	140	89	107	38	159	264	148	151	108	186	192	1646
69	青谷	Aoya.	85	178	99	133	49	164	296	155	167	86	151	172	1735
70	吉岡	Yoshioka.	95	154	111	100	44	147	116	172	141	83	129	141	1434
	千代川														
71	智頭	Chizu.	106	189	174	164	101	313	311	206	269	117	195	148	2294
72	鳥取	Tottori.	130	178	109	112	43	175	240	254	162	135	196	196	1929
73	鳥取	Tottori.	123	200	....	....	....	....	....	....	....	....	....	....	....
74	栃本	Tochimoto.	204	225?	120?	111	44	272	325	395	254	149	242	294	2636
75	郡家	Kōge.	78	121?	135	87	64	146	225	189	181	110	173	160	1671
76	若櫻	Wakasa.	122	207	142	148	75	273	249	163	260	121	151	217	2128
77	岩井	Iwai.	179	181	131	166	81	214	284	264	267	145	197	318	2426
78	湯村	Yumura.	244	319	139	141	66	244	261	96?	227	165	251	415	2570
	圓山川														
79	豐岡	Toyo-oka.	50	125	111	105	58	156	218	281	221	119	190	196	1831
80	出石	Izushi.	101	145	108	114	78	164	197	291	186	121	128	144	1778
81	和田山	Wadayama.	60	135	68	114	57	154	254	314	269	108	169	69	1770
82	久美濱	Kumihama.	201	190	99	127	68	180	201	202?	228	123	177	317	2114
83	網野	Amino.	216	184	112	137	73	181	206	310	324	141	160	344?	2388
84	峰山	Mineyama.	228	278	113	130	69	179	232	257	272	149	187	379	2473
85	宮津	Miyatsu.	141	172	99	132	77	160	270	277	314	156	196	221	2215
	由良川														
86	由良	Yura.	107	134	98	139	72	150	277	333	365	142	181	221	2221
87	福知山	Fukuchiyama.	63	117	92	157	69	129	327	234?	....	114	137	82	....
88	綾部	Ayabe.	57	139	83	153	64	118	305	222	308	141	174	101	1865
89	鷹栖	Takasu.	57	151	104	155	63	144	372	404	333	161	174	95	2214
90	舞鶴	Maitsuru.	83	153	108	154	75	181	355	148?	....	148	192	154	....
91	久坂	Hisasaka.	....	....	....	....	78	183	336	416	323	198	....	....	....
92	熊川	Kumakawa.	....	....	....	....	118	224	444	330	443	222	....	....	....
93	立石岬	Tateishinohana.	383	197	130	245	105	189	332	301	446	221	192	319	3061
	九頭龍川														
94	福井	Fukui.	....	....	....	....	95	212	378	260	453	244	....	....	....
95	大野	Ōno.	....	....	....	....	104	239	627	381	525	230	....	....	....
96	今庄	Imajō.	....	....	....	....	63	123	387	216	513	129	....	....	....
97	大聖寺	Daishōji.	203	162	129	173	102	171	287	459	424	331	193	464	3098
98	小松	Komatsu.	190	133	104	175	74	143	272	268	435	237	170	412	2615
99	白峰	Shiramine.	....	....	....	....	117	405	685	508	501	224	....	....	....
100	松任	Matsutō.	205	152	117	184	81	123	275	214	328	295	174	353	2502
101	金澤	Kanazawa.	242	171	135	232	97	150	338	239	363	323	196	475	2962
102	津幡	Tsubata.	245	142	130	192	91	157	303	197	346	125?	148	254	2329
103	羽咋	Hagui.	124	127	106	217	83	168	214	116	318	229	169	434	2304
104	輪島	Wajima.	183	117	110	181	67	117	201	80	215	....	....	....	....
105	輪島	Wajima.	—	—	—	—	—	—	—	—	—	—	—	446	—
106	祿剛崎	Rokkōsaki.	216	130	114	166	66	194	244	32	315	176	212	452	2317
107	野々江	Nonoe.	284	151	108	149	74	119	288	67	310	156	180	415	2301
108	飯田	Iida.	261	158	137	165	85	146	258	49	273	158	162	386	2239
109	七尾	Nanao.	175	158	124	231	76	164	236	70	244	145	150	312	2087
	庄川														
110	伏木	Fushiki.	249	149	136	175	72	167	319	119	344	271	152	449	2602
111	高岡	Takaoka.	205	159	79	....	67	....	....	173	428	....	....	....	....
112	杉木新	Suginokoshin.	247	117	134	119?	....	....	....	....	....	....	....	....	....
113	井波	Inami.	—	—	—	—	108	164	210	227	472	321	216	378	—
114	金屋岩黒	Kanayaiwakuro.	....	....	....	....	48	118	503	345	265	286	....	....	....
	神通川														
115	富山	Toyama.	234	118	135	112	....	....	358	165	413	283	185	301	....
116	高山	Takayama.	115	135	22	175	107	249	606	175	295	224	145	133	2383
117	三室荒屋	Mimuroaraya.	....	....	....	....	121	183	459	240	277	303	....	....	....
118	船津	Funatsu.	....	....	....	....	92	169	567	229	244	222	....	....	....

第一表 明治廿九年降水總量 TABLE I. AMOUNT OF PRECIPITATION IN 1896.

m.m.

番號 No.	地名 Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第五區 日本海ノ續 V. SEA OF JAPAN.—*Continued.*													
119	魚津 Uotsu.	59	69	87	168	34?	149	442	254	218	319	205	350	2355
120	糸魚川 Itoigawa.	399	156	179	144	50	139	263	86	178	258	179	421	2453
	關川													
121	高田 Takata.	....	....	....	....	....	125	328	25?	78?	349	348	402	....
122	關山 Sekiyama.	....	....	....	....	89	152	310	111	132	208	....	....	....
123	安塚 Yasuzuka.	....	....	....	....	76	149	361	97	132	279	214	....	....
124	柏崎 Kashiwasaki.	....	....	....	74	76	....	243	84	69	222	63	....	....
	信濃川													
125	新潟 Niigata.	228	114	86	132	46	193	234	74	128	149	131	248	1761
126	新潟 Niigata.	189	146	114	125	46	181	210	95	133	182	128	312	1861
127	三條 Sanjō.	275	119?	207	128	78	138	290	90	111	195	148	296	2076
128	與板 Yoita.	76?	68?	118	106	73	90	269	66	118	218	163	236	1602
129	長岡 Nagaoka.	....	....	52?	96	61	118	292	80	112	240	146	....	....
130	小千谷 Ojiya.	....	....	....	....	68	90	377	136	120	284	102	....	....
131	十日町 Tōkamachi.	....	....	....	....	55	109	616	205	123	257	195	....	....
132	豊郷 Toyosato.	....	....	....	....	56	123	323	133	142	200	155	....	....
133	飯山 Jiyama.	....	....	....	59	62	64	260	120	138	162	127	....	....
134	中野 Nakano.	88	65	28	73	65	125	293	84	125	150	60	57	1215
135	豊津 Toyotsu.	145	104	41	64	57	110	308	97	111	168	75	88	1369
136	須坂 Susaka.	62	43	30	60	61	128	312	49	75?	184	45	38	1087
137	篠井 Shinonoi.	51	42	32	57	58	95	231	82	134	169	78	27	1058
138	屋代 Yashiro.	38	33	43	86	65	92	303	72	139	....	....	....	....
139	上田 Ueda.	9	26	24	68	58	72	315	75	139	123	60	13	984
140	岩村田 Iwamurata.	9	21	34	76	49	80	307	44	188	126	63	13	1011
141	臼田 Usuda.	13	28	31	58	40	106	295	84	202	101	68	15	1043
142	卷 Maki.	....	41?	89	120	74	98	297	56	148	198	110	306	....
143	新津 Niitsu.	....	....	61	....	91	....	306	....	....	....	....	....	....
144	村松 Muramatsu.	....	....	....	....	56	188	345	135	88	243	....	....	....
145	橡尾町 Tochiomachi.	....	....	....	....	68	145	324	94	105	261	....	....	....
146	孟地 Mochi.	....	....	....	....	69	171	319	130	185	381	....	....	....
147	六日町 Muikamachi.	321	146	59	78	78	138	393	127	140	172	200	....	....
148	湯澤 Yusawa.	....	....	....	....	75	150	423	312	226	244	....	....	....
149	長野 Nagano.	73	47	32	66	58	139	270	53	110	139	61	36	1086
150	大町 Ōmachi.	87	109	61	135	79	172	362	75?	170	193	110	48	1603
151	成相新田 Nariaishinden.	15	78	44	86	65	94	307	83	150	191	107	22	1244
152	松本 Matsumoto.	....	....	....	81	....	....	210	....	....	....	....	....	....
153	奈良井 Narai.	48	85	81	166	132	....	....	....	....	....	....	....	....
154	島々 Shimashima.	....	....	....	....	....	....	398	149	218	175	....	....	....
155	姫崎 Himesaki.	177	163	115	159	78	314	202	96	236	218	167	162	2089
	阿賀野川													
156	新發田 Shibata.	....	115?	164	84	77	104	344	114	113	189	136	243	....
157	津川 Tsugawa.	....	....	....	....	82	67	412	173	127	203	204	150?	....
158	喜多方 Kitakata.	120	144	118	59	49	87	249	116	189	95	47	116	1391
159	坂下 Bange.	298	175	88	62	52	103	193	149	162	94	70	166	1613
160	高田 Takata.	355	34	12	3	29	121	266	128	176	105	88	147	1466
161	若松 Wakamatsu.	215	183	9	50	53	97	266	177	225	77	39	147	1538
162	福良 Fukura.	....	....	....	....	45	43	484	244	394	90	....	....	....
163	猪苗代 Inawashiro.	211	134	82	26	23	152	332	196	291	95	108	24	1673
164	只見 Tadami.	....	....	....	....	81	131	442	170	131	197	....	....	....
165	田島 Tajima.	167	169	42	115	67	111	390	248	293	103	120	22	1846
166	小國 Okuni.	....	....	....	....	61	173	476	191	127	258	....	....	....
167	村上 Murakami.	....	....	....	....	70	217	314	122	153	261	169	172	....
168	加茂 Kamo.	148	157	113	139	65	241	306	217	166	....	....	....	....
	最上川													
169	酒田 Sakata.	68	105	55	108	50	202	264	212	139	134	115	230	1683
170	酒田 Sakata.	104	117	115	108	64	247	310	195	172	188	145	110	1874
171	新庄 Sinjō.	217	170	184	75	30	204	412	173	236	78	89	149	2016
172	楯岡 Tateoka.	3[illegible]?	50	17?	31	51	92	180	101	151	59?	57	62	892
173	天童 Tendō.	77	87	74	26	30	138	184	210	218	97	112	55	1308
174	寒河江 Sagae.	110	111	77	26	40	139	207	209	188	135	105	82	1428

第一表 明治廿九年降水總量 粍
TABLE I. AMOUNT OF PRECIPITATION IN 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第五區 日本海ノ續	V. SEA OF JAPAN.—*Continued.*													
	最上川ノ續														
175	山形	Yamagata.	66	91	51	35	30	136	187	153	215	125	91	79	1261
176	上ノ山	Kaminoyama.	83	103	95	28	26	140	187	144	218	101	83	105	1314
177	宮	Miya.	62?	126	67?	52	31	149	238	210•	201	138	110	118	1503
178	高畑	Takahata.	125	127	92	23	26	121	193	110	211	116	108	82	1333
179	米澤	Yonezawa.	140	137	124	12	57	180	210	135	182	115	111	120	1525
180	大鳥	Ōtori.	469	268	254	175	79	299	470	334	143	378	356	525	3752
181	鶴岡	Tsurugaoka.	262	183	140	108	56	234	368	200	201	260	237	388	2638
182	藤島	Fujishima.	203	150	120	76	43	212	220	189	180	200	139	324	2057
	子吉川														
183	本莊	Honjō.	99	130	93	....	54	253	386	166	258	220	224	185	....
184	矢島	Yashima.	....	....	....	97	60	150	458	137	190	380	288	....	....
185	道川	Michikawa.	82	116	99	118	69	211	211	162	314	182	166	148	1879
186	象潟	Hisakata.	—	—	—	—	—	—	—	161	169	241	154	177	....
	雄物川														
187	土崎	Ttuchisaki.	....	....	....	....	....	....	438	143	272	169	212	132	....
188	秋田	Akita.	89	98	114	140	98	273	435	241	288	204	230	128	2338
189	新波	Araba.	99	131	96	124	62	262	280	208	235	296	268	255	2317
190	大曲	Ōmagari.	29	21	17	22	39	127	209	149	121	161	194	121	1210
191	横手	Yokote.	....	68	....	....	....	....	....	....	....	71	79	....	....
192	沼舘	Numadate.	....	....	....	....	57	130	401	110	251	224	220	....	....
193	西馬音内	Nishimonai.	....	....	....	....	54	216	533	79	323	250	178	....	....
194	稲庭	Inaniwa.	280	113	100	43	43	187	434	168	231	221	201	276	2300
195	川向	Kawamukaye.	163	121	125	50	36	162	308	200	227	220	237	139	1990
196	角舘	Kakunotate.	101	68	72	156	96	235	466	271	214	224	212	179	2295
197	田澤	Tazawa.	110	110	96	134	97	270	428	322	277	191	212	154	2401
198	目長崎	Menagasaki.	131	140	152	177	135	291	590	267	362	213	254	184	2898
199	笠岡	Kasaoka.	77	93?	63	144	106	205	354	217	262	140	215	101	1977
200	五城目	Gojōnome.	85	145	97	149	103	220	536	190	361	191	212	132	2422
201	船川	Funakawa.	106	110	98	107	72	119	297	173	308	132	....	....	....
	米代川														
202	能代	Noshiro.	78	126	72	126	92	....	....	....	....	....	....	....	....
203	鷹巣	Takanosu.	96	79?	66	141	89	274	456	279	382	231	223	157	2473
204	大舘	Ōdate.	51	....	....	36	....	....	123	46	99	120	158	....	....
205	扇田	Ōgita.	117	106	72	91	53	153	428	266	388	239	219	168	2300
206	花輪	Hanawa.	81	43	79	52	76	118	196	175	259	200	238	141	1659
207	八森	Hachimori.	....	....	....	....	....	....	....	136	170	190	109	....	....
208	鰺澤	Ajigasawa.	166	137	58	52	13	46	212	74	137	48	73	23	1041
	岩木川														
209	五所河原	Goshogawara.	154	68?	107	46	17	120	240	178	165	121	135	143	1495
210	弘前	Hirosaki	122	....	68	62	....	....	....	....	....	....	154	....	....
211	國吉	Kuniyoshi.	264	331	310	144	25	106	297	235	185	201	163	110	2370
212	黒石	Kuroishi.	141?	61	....	42	21	91	270	152	174	122	127	28	....
213	江良町	Eramachi.	83	161	32	101	33	79	162	120	72	67	58	76	1044
214	鷗島	Komomeshima.	92	76	62	121	75	101	276	115	163	170	155	274	1682
215	俄虫	Gamushi.	54	22	198	38	176	50	258	373	65	159	76	....	....
216	久遠	Kutō.	—	—	—	97	62	77	239	....	....	....	....	....	....
217	釣掛	Tsurikake.	154	86	58	191	107	145	315	178	160	205	132	91	1824
218	稲穂崎	Inahosaki.	70	56	40	170	132	124	210	162	107	170	111	83	1437
219	太櫓	Futoro.	89	24	7?	35	116	10?	108	149	122	3?	86	69	769?
220	瀬棚	Setana.	199	84	84	66	47	81	221	68	20	19	15	75	949
221	辨慶崎	Benkeisaki.	40	120	27	35	1?	18	89	146	97	160	90	66	891
222	壽都	Suttsu.	93	84	68	53	32	40	178	146	162	163	102	114	1237
223	島古潭	Shimakodan.	57	23	17	46	21	24	146	63	83	140	119	19	759
224	岩内	Iwanai.	195	58	134	65	26	62	153	118	155	152	125	78	1322
225	神惠内	Kamunai.	....	....	....	114	51	108	284	171	190	178	184	....	....
226	神威岬	Kamoimisaki.	74	47	21	117	58	117	277	213	75	176	65	101	1342
227	小泊	Kotomari.	190	92	135	51	44	56	240	172	173	199	259	154	1765
228	仁木	Niki.	170	271	163	....	....	....	....	....	....	....	....	....	....

第一表 明治廿九年降水總量 粍
TABLE I. AMOUNT OF PRECIPITATION IN 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第七區	日本海ノ續 V. SEA OF JAPAN.—*Continued.*													
229	日和山	Hiyorimiyama.	198	106	139	80	38	71	340	93	122	197	154	150	1689
230	小樽	Otaru.	416	206	189	35	30	36	233	57	95	172	158	39	1667
	石狩川														
131	石狩	Ishikari.	43	16	50	49	15	62	232	126	106	183	114	25	1022
132	札幌	Sapporo.	83	57	58	32	26	46	241	131	117	173	125	62	1151
133	岩見澤	Iwamisawa.	118	30	198	171	....	....	....	....	....	....	....	....	....
134	市來知	Ichikijiri.	46	3?	43	39	10	17	76	15	37	....	....	....	....
135	忠別	Chubetsu.	51	12	83	59	19	51	167	85	150	147	96	87	1007
236	千歳	Chitose.	83	46	32	....	....	....	....	....	....	....	....	....	....
237	增毛	Mashike.	217	57	122	73	52	76	244	241	289	268	194	124	1958
238	留萠	Rurumotsupe.	—	—	—	—	—	28	112	49	214	215	139	31	....
239	鴛泊	Oshitomari.	178	121	148	55	85	61	76	292	225	213	197	199	1850
	仁川	Jenchuan.	24	9	2	142	35	249	134	121	76	63	32	35	924
	釜山	Fusan.	8	99	32	199	69	400	279	110	69	26	50	41	1384
	釜山	Fusan.	14	90	33	183	81	313	286	107	91	30	44	38	1310
	元山津	Yuensan.	2	51	13	120	57	266	247	243	110	21	24	3	1157
	浦潮港	Vladivostok.	10	1	2	37	84	77	105	164	215	34	57	17	802
	第六區	津輕海峽 VI. TSUGARU STRAIT.													
1	青森	Aomori.	101	61	105	56	27	108	304	229	173	137	149	150	1600
2	脇野澤	Wakinozawa.	77	197	67	71	32	....	289	170	250	200	165	113	....
3	田名部	Tanabe.	80	161	86	53	42	133	252	140	244	156	134	125	1605
4	佐井	Sai.	—	—	—	—	—	—	—	—	138	152	....	....	—
5	尻矢崎	Shiriyasaki.	73	294	196	41	59	103	271	146	218	235	123	141	1901
6	辨天島*	Bentenshima.*	83	97	9	126	63	132	308	112	161	145	78	84	1399
7	白神崎	Shirakamisaki.	73	87	44	202	82	275	568	180	280	201	111	112	2216
8	木古内	Kikonai.	....	....	124	29	18?	80	322	29?	511?	23?	8?	6?	....
9	葛登支岬	Kattojimisaki.	226	112	138	295	185	406	152	111	201	155	132	53	2167
10	大野	Ōno.	23?	14?	2?	82	43	85	337	128	136	156	121	45	1172
11	七飯	Nanaii.	98	50	57	87	54	106	290	108	159	141	106	98	1353
12	函館	Hakodate.	59	59	48	70	43	120	313	94	146	148	98	70	1270
13	汐首崎	Shiokubisaki.	90	120	59	96	93	124	269	126	387	147	94	87	1693
14	惠山岬	Yesanmisaki.	38	66	19	72	59	141	499	189	301	305	99	76	1865
15	臼尻	Usushiri.	50	195	44	87	48	108	410	133	250	214	140	60	1739
16	鹿部	Shikabe.	47	105	25	48	72	50	205	61	111	154	51	41	970
17	森	Mori.	49	82	37	61	56	53	179	81	74	109	33	67	882
18	八雲	Yakumo.	—	—	—	—	—	—	239	175	100	....	....	....	....
19	大黑島+	Daikokushima.+	38	49	22	46	23	43	306	86	106	119	51	39	928
20	白老	Shiraoi.	46	78	12	72	77	28	105	222	....	....	....	....	....
21	苫小牧	Tomokomai.	52	29	11	43	104	46	47	75	154	63	51	26	702
22	門別	Monbetsu.	3	10	3	59	32	11	251	20?	36?	69	40	....	....
23	下々方	Shimogehō.	39	17	24	109	35	119	278	124	244	113	72	32	1209
24	浦河	Urakawa.	86	36	73	179	74	171	326	94	225	184	100	61	1608
25	襟裳岬	Yerimomisaki.	11	1	10	75	65	113	228	76	255	125	68	29	1057
	第七區	阿哥斯克海 VII. OKHOTSK SEA.													
1	宗谷岬	Sōyamisaki.	43	4	15	45	25	62	28	162	205	93	109	57	848
2	常呂	Tokoro.	—	—	—	—	—	68	....	....	167	163	30	....	....
3	網走	Abashiri.	32	32	22	41	33	98	79	100	172	96	70	30	807
4	斜里	Shari.	6	11	35	51	79	....	70	42	158	90	36	12	....
	區外	州南諸嶋 SOUTHERN ISLANDS.													
1	恒春	Koshun.	—	—	—	—	—	—	—	—	—	—	—	3	—
2	漁翁島	Gyoōtō.	45	....	....	....	41	35	204	10	154	278	24	16	....
3	臺北	Taihoku.	—	—	—	—	—	—	—	—	70	155	96	30	....
4	石垣島	Ishigakishima.	—	115	80	85	134	61	116	134	19	305	125	75	....
5	石垣島	Ishigakishima.	—	—	—	—	—	—	—	—	—	—	—	75	....
6	西里	Nishisato.	—	110	118	29	563	35	151	73	107	348	203	33	....
7	具志川	Geshicha.	—	—	—	—	—	—	—	—	65	183	123	86	....
8	喜屋武	Chan.	78	108	50	86	495	38	76	37	2	225	110	63	1369
9	富里	Fuzato.	78	155	57	47	614	50	83	89	84	386	274	87	2004
10	那覇	Naha.	75	145	79	127	403	157	272	48	77	267	87	56	1793
11	先原崎	Sakibarusaki.	—	—	—	—	—	—	—	—	....	—	—	50	....
12	首里區	Shuri.	83	156	82	133	380	85	317	30	69	223	92	58	1709
13	喜名	China.	47	186	95	113	401	147	267	51	34	242	70	59	1711

福山港 * Harbour of Fukuyama. 室蘭灣 + Gulf of Muroran.

第一表　明治廿九年降水總量 粍
TABLE I. AMOUNT OF PRECIPITATION IN 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	區　外　州南諸島ノ續	SOUTHERN ISLANDS.—*Continued.*													
14	平敷屋	Hishicha.	70	179	67	139	593	138	221	53	108	289	155	38	2052
15	西原	Nishibara.	90	194	99	126	288	159	266	....	42	94	26	....	....
16	東江	Agarie.	57	186	91	157	418	170	354	83	111	268	67	53	2017
17	大島	Ōshima.	—	—	—	—	—	—	—	—	—	—	—	140	—

第二表 明治廿九年最多降水日量
TABLE II. GREATEST AMOUNT OF PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第一區 西海	I. WESTERN SEA.													
1	大瀬崎	Ōsesaki.	41	26	28	32	40	41	33	27	64	64	45	8	64
2	福江	Fukue.	48	34	59	40	80	64	27	25	132	51	84	57	132
3	古志岐島	Koshikishima.	29	18	37	47	30	84	72	18	77	34	35	19	84
4	平戸	Hirato.	21	29	38	52	36	184	62	95	50	58	82	53	184
5	佐世保	Saseho.	21	22	33	59	45	56	71	89	35	41	75	42	89
6	瀬戸	Seto.	11?	26	26	52	51	86	72	88	48	70	66	43	88
7	長崎	Nagasaki.	30	31	20	74	69	93	128	97	49	71	50	36	128
8	伊王島	Iwōshima.	31	28	31	69	66	95	58	94	52	65	98	46	98
9	蔭ノ尾島	Kagenōshima.	36	28	37	70	68	60	77	72	36	73	49	39	77
10	口ノ津	Kuchinotsu.	50	27	17	74	100	92	55	111	56	84	46	20	111
11	島原	Shimabara.	66	23	29	97	56	43	45	110	44	132	50	23	132
12	諫早	Isohaya.	30	35	21	78	54	75	102	76	46	95	53	23	102
13	大村	Ōmura.	29	38	33	59	48	101	128	140	49	100	57	33	140
14	高津原	Takatsubara.	22	25	23	60	37	95	66	63	35	82	29	13	95
15	武雄	Takeo.	21	23	31	60	42	90	80	57	34	69	46	39	90
16	小城	Ogi	21	19	40	68	46	81	61	77	30	56	40	39	81
	筑後川														
17	榎津	Enokitsu.	24	30	28	63	39	44	71	98	42	97	38	19	98
18	久留米	Kurume.	19	22	38	73	44	45	59	71	36	82	40	22	82
19	久留米	Kurume.	19	19	33	72	38	45	60	45	34	11	36	19	72
20	轟木	Todoroki.	22	19	34	82	80	90	75	120	34	50	36	24	120
21	善導寺	Jendōji.	19	13	25	25	47	51	65	85	31	102	39	19	102
22	甘木	Amaki.	20	12	45	65	60	53	110	60	28	80	32	17	110
23	吉井	Yoshii.	18	15	19	27	28	61	90	53	53	130	35	20	130
24	豆田	Mameta.	17	29	26	44	36	55	41	....	24	97	36	6	97
25	宮原	Miyabara.	28	22	31	91	78	59	88	62	37	101	36	21	101
26	福島	Fukushima.	23	29	28	65	42	66	49	61	32	115	40	19	115
27	佐賀	Saga.	20	25	33	77	39	87	66	76	32	88	37	27	88
28	古湯	Furuyu.	27	24	41	76	80	100	71	150	44	51	62	57	150
29	神崎	Kanzaki.	21	22	37	84	34	70	52	40	33	68	36	15	70
30	森	Mori.	21	24	26	50	172	41	58	134	61	120	32	15	172
	矢部川														
31	柳河	Yanagawa.	23	24	31	72	39	63	70	99	35	103	39	26	103
32	黒木	Kuroki.	38	....	27	61	40	56	53	99	33	127	33	140	....
33	三池	Miike.	34	25	28	47	30	54	97	86	37	112	32	20	112
	菊地川														
34	高瀬	Takase.	33	19	27	73	58	48	49	81	37	13	27	10	81
35	山鹿	Yamaga.	—	—	—	—	—	—	—	—	—	—	25	14	—
36	隈府	Waifu.	31	18	22	87	67	44	50	36	32	22	22	13	87
	白川														
37	春日	Kasuga.	23	16	24	67	....	69	59	66	46	65	29	16	....
38	熊本	Kumamoto.	27	20	23	76	59	54	62	73	41	76	30	15	76
39	宮地	Miyaji.	31	23	44	108	56	87	125	48	27	23	42	18	125
40	吉田	Yoshida.	—	—	—	—	—	—	—	98	66	83	33	28	—
41	濱町	Hamamachi.	—	—	—	—	—	—	—	168	94	38	18	30	—
42	御船	Mifune.	23	20	15	69	61	50	42	91	41	67	25	42	91
43	宇土	Udo	—	—	—	—	—	—	—	—	—	—	34	19	—
44	町山口	Machiyamaguchi.	45	21	17	72	62	98	48	85	51	79	31	28	98
45	佐敷	Sashiki.	—	—	—	—	—	—	—	—	—	—	42	13	—
	球摩川														
46	八代	Yatsushiro.	32	19	11	49	53	89	80	93	36	18	23	14	93
47	人吉	Hitoyoshi	33	18	29	152	141	81	68	70	62	60	32	21	152
	川内川														
48	東手	Higashite.	39	22	31	43	112	88	47	128	61	88	49	30	128
49	里	Sato.	41	16	24	196	130	85	67	143	70	67	39	16	196
50	加久藤	Kakutō.	31	22	34	165	113	56	89	120	93?	64	40	29	165
51	郡	Kōri.	45	24	31	145	62	59	81	127	208	51	37	37	208

第二表　明治廿九年最多降水日量表
TABLE II. GREATEST AMOUNT OF PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第二區 南海	II. SOUTHERN SEA.													
1	鹿兒島	Kagoshima.	57	32	45	125	100	94	68	106	173	35	57	19	173
2	中名	Nakana.	39	27	35	111	74	47	87	64	177	66	53	40	177
3	佐多岬	Satanomisaki.	25	27	38	85	50	56	44	64	161	23	43	13	161
4	西方	Nishikata.	46	30	47	95	93	91	54	70	229	48	56	37	229
5	鞍崎	Kurasaki.	58	38	66	107	95	50	33	58	111	28	77	23	111
6	飫肥	Obi.	72	30	67	95	88	72	49	52	221	60	37	50	221
	大淀川														
7	宮崎	Miyazaki.	28	59	62	96	77	72	53	64	185	51	89	13	185
8	高岡	Takaoka.	31	45	56	121	88	49	50	78	170	41	71	12	170
9	都城	Miyakonojō.	33	24	43	132	68	66	83	103	224	39	71	17	224
10	北俣	Kitamata.	34	33	48	138	77	69	43	81	206	51	73	8	206
11	須木	Suki	39	48	39	140	96	86	121	141	313	74	37	18	313
12	細野	Hosono.	57	41	50	150	141	60	68	98	155	120	60	22	155
13	大牟田	Ōmuda.	35	32	53	122	118	124	49	182	84	53	72	31	182
14	田野	Tano.	27	49	59	110	100	132	85	90	280	52	77	15	280
	佐土原川														
15	村所	Murasho.	42	35	46	125	98	90	112	128	241	62	42	22	241
16	鹿野田	Kanoda.	30	51	58	99	88	41	60	95	189	56	58	14	189
	高鍋川														
17	高鍋	Takanabe.	28	59	78	133	88	56	73	71	110	79	76	18	133
18	神門	Kado	4?	29	47	113	113	66	126	258	396	121	64	17	396
19	田代	Tashiro.	28	36	42	135	103	112	94	188	274	132	65	28	274
20	下福良	Shimofukura.	52	27	42	138	91	69	88	240	267	80	43	16	267
21	細島	Hososhima.	27	60	44	105	89	58	41	69	137	156	55	19	156
	五箇瀬川														
22	延岡	Nobeoka.	29	36	57	113	64	102	37	136	132	143	48	26	143
23	七折	Nanaori.	29	36	27	83	70	52	125	235	198	89	54	14	235
24	三田井	Mitai.	27	23	25	76	69	58	108	167	136	73	47	16	167
25	三ヶ所	Sangasho.	30	22	21	68	64	60	50	195	172	54	42	20	195
26	馬見原	Mamihara.	34	20	34	63	66	57	51	192	156	23	38	21	192
27	下直見	Shimonaomi.	21	35	42	66	126	58	54	128	163	154	36	18	163
28	佐伯	Saheki.	....	....	....	....	....	....	....	....	....	....	41	7	—
29	八幡濱	Yawatahama.	20	21	21	53	40	40	61	115	23	90	22	12	115
30	宇和島	Uwajima.	18	16	17	76	92	38	56	59	63	81	22	13	92
31	清水	Shimizu.	37	39	23	105	....	57	47	66	40	113	53	16	113
	渡川														
32	中村	Nakamura.	37	66	65	149	210	71	36	176	118	206	89	20	210
33	川崎	Kawasaki.	24	30	28	124	134	66	63	320	87	41	29	7	320
34	田野々	Tanono.	1	57	43	50	69	53	55	77	58	43	36	17	77
35	窪川	Kubokawa.	20	95	26	89	301	96	55	108	173	168	120	18	301
36	檮原	Isohara.	—	—	—	—	—	—	—	—	—	89	38	18	—
37	興野々	Okinono.	22	22	22	123	90	43	90	200	65	100	24	13	200
	仁淀川														
38	伊野	Ino.	28	68	42	124	93	77	93	70	91	131	51	19	131
39	越知	Ochi.	26	60	28	135	216	66	202	122	97	201	43	24	216
40	久主	Kusu.	51	54	17	108	198	54	212	350	130	108	61	15	350
41	久萬町	Kumamachi.	10	15	17	84	112	40	80	200	83	50	35	15	200
42	高知	Kōchi.	30	80	38	139	73	83	106	42	265	120	74	24	265
43	桑尾	Kuwao.	9	88	32	179	106	123	134	134	211	132	54	25	211
44	上野尻	Kaminojiri.	4	4	25	181	87	71	216	120	470	72	57	50	470
45	大栃	Ōdochi.	31	52	35	140	106	118	169	167	266	119	79	16	266
46	田野	Tano.	—	—	—	—	—	—	—	—	—	69	49	34	—
47	津呂	Tsuro.	39	57	121	69	182	38	61	108	165	45	70	24	182
48	日和佐	Hiwasa.	49	116	56	151	85	42	117	139	408	148	147	42	408
	那賀川														
49	富岡	Tomioka.	28	60	40	94	47	102	112	177	198	234	205	85	234
50	和食	Wajiki.	38	148	26	79	117	74	236	242	242	258	99	45	258

第二表 明治廿九年最多降水日量

TABLE II. GREATEST AMOUNT OF PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第二區 南海ノ續	II. SOUTHERN SEA.—*Continued.*													
51	小松島	Komatsujima.	15	66	22	49	70	53	144	122	164	159	108	12	164
	吉野川														
52	德島	Tokushima.	12	70	26	24	69	40	119	135	198	132	57	29	198
53	東名東	Tōnatō.	12	80	17	25	81	38	113	176	227	108	50	18	227
54	石井	Ishii.	18	60	10	22	98	35	120	170	205	79	45	15	205
55	川島	Kawashima.	14	39	23	24	105	38	69	179	236	50	26	5	236
56	市塲	Ichiba.	13	33	20	25	93	50	116	195	150	70	25	9	195
57	脇町	Wakimachi.	14	21	22	23	72	40	106	166	132	42	15	10	166
58	池田	Ikeda.	7	5	10	19	45	58	100	177	94	32	15	12	177
59	本山	Motoyama.	—	—	—	91	61	58	179	155	90	167	42	32	—
60	川井	Kawai.	—	—	—	—	—	38	110	260	290	64	53	28	—
61	南濱	Minamihama.	13	38	23	28	27	28	103	131	150	73	76	15	150
62	小桑島	Kokuwashima.	14	35	21	29	37	37	110	116	152	72	71	18	152
	紀ノ川														
63	和歌山	Wakayama.	8	66	27	40	37	61	52	143	76	51	144	19	144
64	清水	Shimizu.	23	56	22	59	30	44	75	116	98	49	75	19	116
65	野上	Nogami.	12	32	26	54	35	30	55	86	130	40	100	21	130
66	橋本	Hashimoto.	16	21	25	45	33	28	51	90	98	20	88	26	98
67	慶賀野	keikano.	13	29	21	42	24	58	68	110	95	18	95	20	110
68	吉野山	Yoshinoyama.	12	14	22	49	29	32	135	206	100	20	56	18	206
69	柏木	Kashiwaki.	—	—	—	—	—	—	—	—	—	—	—	36	—
70	神野市塲	Ainoichiba.	15	36	24	64	43	40	72	177	139	68	39	25	177
71	高野山	Kōyasan.	16	46	21	55	49	47	69	276	127	35	66	35	276
72	東富貴	Higashifuki.	16	24	24	59	42	29	72	215	130	16	54	36	215
	有田川														
73	吉原	Yoshiwara.	18	41	27	57	59	58	68	156	83	86	43	29	156
74	淸水	Shimizu.	14	38	29	113	56	46	82	173	117	79	67	30	173
(71)	高野山	Kōyasan.	16	46	21	55	49	47	69	276	127	35	66	35	276
75	湯淺	Yuasa.	16	46	24	41	60	57	41	112	98	110	40	31	112
	日高川														
76	御坊	Gobō.	19	37	20	36	57	99	30	189	99	80	34	23	189
77	高津尾	Takatsuo.	19	46	40	79	65	115	92	186	141	86	58	30	186
78	東	Higashi.	47	93	48	80	56	90	100	279	177	56	83	29	279
79	田邊	Tanabe.	15	30	24	43	40	109	32	140	147	43	88	29	147
80	栗栖川	Kurisukawa.	20	40	64	106	70	102	52	290	189	27	70	29	290
81	安居	Ago.	23	56	42	66	71	65	65	247	194	23	97	39	247
82	潮岬	Shiomisaki.	31	77	27	48	121	49	59	124	144	58	134	35	144
83	樫野崎	Kashinosaki.	28	55	37	72	80	57	55	68	117	54	76	61	117
84	下中	Shimonaka.	28	72	50	50	48	38	37	138	142	55	106	60	142
85	日ノ岬	Hinomisaki.	25	49	17	45	67	63	45	224	183	96	45	29	224
	新宮川														
86	新宮	Shingu.	20	97	69	100	168	80	60	93	196	65	131	40	196
87	本宮	Hongu.	37	48	28	85	112	56	121	237	200	55	95	27	237
88	大沼	Onuma.	30	80	28	81	152	76	197	194	240	50	102	26	240
89	木ノ本	Kinomoto.	20	93	41	91	161	63	81	63	197	45	142	25	197
90	尾鷲	Owashi.	29	102	79	88	143	50	143	70	176	75	156	24	176
91	安乘崎	Anorisaki.	16	12	5	2	25	27	50	28	93	44	98	18	98
92	菅島	Sugashima.	15	92	20	98	68	36	83	55	141	30	139	23	141
93	鳥羽	Toba.	10	88	31	66	64	30	72	59	140	101	165	20	165
94	山田	Yamada.	10	42	35	40	42	47	138	38	220	99	185	17	220
	櫛田川														
95	西黑部	Nishikurobe.	16	26	21	42	26	53	75	84	117	41	68	10	117
96	相可	Ōka.	11	50	26	25	52	57	81	78	131	54	112	13	131
97	松坂	Matsusaka.	15	49	21	33	31	44	82	85	133	38	83	9	133
98	久居	Hisai.	15	28	25	45	31	45	65	83	150	46	90	15	150
99	津	Tsu.	18	28	20	47	33	45	74	85	105	73	54	16	105

第二表 明治廿九年最多降水日量 續
TABLE II. GREATEST AMOUNT OF PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第二區 南海ノ續	II. SOUTHERN SEA.—*Continued.*													
100	古河	Furukawa.	17	26	18	48	31	34	77	78	121	77	46	13	121
101	白子	Shiroko.	16	23	18	45	39	27	85	31	134	47	43	15	134
102	龜山	Kameyama.	17	42	42	64	58	34	77	111	302	33	33	14	302
103	四日市	Yokkaichi.	15	25	20	55	56	48	129	32	160	30	97	14	160
104	四日市	Yokkaichi.	13	46	24	70	46	31	166	16	....	....	....	7	....
	員辨川														
105	桑名	Kuwana.	19	19	29	55	41	24	120	14	....	....	....	....	....
106	桑名	Kuwana.	17	34	27	63	49	43	140	37	225	33	90	15	225
107	楚原	Sobara.	20	53	40	76	51	71	208	50	99	37	72	20	208
	木曾川														
(105)	桑名	Kuwana.	19	19	29	55	41	24	120	14	....	....	....	....	....
(106)	桑名	Kuwana.	17	34	27	63	49	43	140	37	225	33	90	15	225
108	前ヶ須	Maigasu.	19	31	34	62	41	49	129	41	261	34	90	13	261
109	津島	Tsushima.	12	36	29	60	40	42	147	45	255	29	89	17	255
110	笠松	Kasamatsu.	15	38	34	56	38	71	265	94	326	32	73	17	326
111	犬山	Inuyama.	11	28	29	58	30	53	62	37	265	42	62	16	265
112	太田	Ōta.	12	14	29	55	35	55	83	30	128	47	56	17	128
113	中津川	Nakatsugawa.	11	10	35	72	32	180	145	30	185	60	71	44	185
114	長野	Nagano.	12	40	40	115	32	....	....	....	....	....	....	....	....
115	福島	Fukushima.	13	32	46	123	39	55	192	48	70	81	56	38	192
116	吾妻	Azuma.	13	28	20	40	59	....	....	....	....	....	....	....	....
117	王瀧	Ōtaki.	20	37	44	114	58	....	....	....	....	....	....	....	....
118	西野	Nishino.	20	31	26	159	46	....	....	....	....	....	....	....	....
119	高須	Takasu.	19	44	40	69	54	53	109	25	....	....	25	23	....
120	高田	Takata.	18	72	36	66	48	74	161	79	262	55	74	18	262
121	大垣	Ōgaki.	22	57	38	56	36	77	235	....	....	....	67	10	....
122	垂井	Tarui.	38	64	46	69	94	79	146	86	269	69	65	18	269
123	三輪	Miwa.	42	58	32	91	73	72	176	117	292	69	68	35	292
124	德山	Tokuyama.	53	62	42	82	78	65	252	104	302	56	66	37	302
125	岐阜	Gifu.	16	39	37	61	46	73	266	32	225	36	64	17	266
126	上有知	Kōzuchi.	17	37	41	67	51	80	273	74	178	51	77	30	273
127	八幡	Hachiman.	21	36	53	119	72	73	293	51	175	62	76	56	293
128	白鳥	Shirotori.	52	48	41	82	66	137	206	63	186	74	80	46	206
129	北方	Kitakata.	16	43	30	64	50	81	201	36	120	39	69	17	201
130	長嶺	Nagamine.	38	64	51	92	84	128	373	69	329	54	95	54	373
131	高富	Takatomi.	15	23	23	30	26	38	286	86	225	42	76	25	286
132	葛原	Kuzuhara.	37	26	57	108	102	88	290	67	334	50	97	40	334
133	御嶽	Mitake.	10	17	33	58	36	57	95	36	202	55	68	18	202
134	金山	Kanayama.	12	33	39	101	52	63	176	39	167	61	88	33	176
135	森	Mori.	12	29	36	112	51	71	194	54	124	73	91	56	194
136	關ヶ原	Sekigahara.	—	—	—	—	—	—	154	105	318	43	57	18	—
137	稻澤	Inasawa.	14	34	28	59	32	54	141	50	297	33	71	16	297
138	島	Shima.	15	23	32	52	37	75	175	33	264	34	69	16	264
	庄内川														
139	下小田井	Shimo-odai.	12	20	26	51	28	30	64	50	317	33	62	9	317
140	勝川	Kachikawa.	9	20	24	47	24	51	95	20	250	39	56	12	250
141	高山	Takayama.	9	19	24	24	26	26	87	23	257	25	49	17	257
142	布袋野	Hoteno.	12	29	26	49	33	61	102	31	250	35	59	13	250
143	瀬戸	Seto.	14	21	24	63	23	49	60	27	183	47	62	16	183
144	名古屋	Nagoya.	12	22	27	50	30	40	80	37	315	37	74	14	315
145	熱田	Atsuta.	12	22	20	56	32	32	77	30	301	36	75	13	301
146	大野	Ōno.	16	26	17	57	40	58	68	39	353	42	72	16	353
147	小鈴谷	Kosuzuya.	—	—	—	51	38	62	90	42	293	47	106	17	—
148	豊濱	Toyohama.	12	26	19	50	29	56	78	47	196	42	81	13	196
149	半田	Handa.	13	24	16	51	35	62	58	38	272	44	117	18	272
150	知立	Chiriū.	12	16	12	60	31	64	52	20	201	42	84	18	201
	矢作川														
151	西尾	Nishio.	13	22	17	70	31	56	60	51	238	52	106	18	238
152	岡崎	Okazaki.	10	21	15	69	26	48	50	48	160	57	68	16	160
153	擧母	Koromo.	9	22	15	69	23	65	70	31	137	44	68	17	137
154	上	Kami.	16	3	47	79	34	76	116	62	153	56	57	28	153
155	龜穴	Kameana.	12	41	46	179	58	43	103	74	159	33	122	20	179

第二表 明治廿九年最多降水日量 粍
TABLE II. GREATEST AMOUNT OF PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第二區 南海ノ續	II. SOUTHERN SEA.—*Continued.*													
	矢作川ノ續														
156	足助	Asuke.	9	25	33	74	27	73	102	73	198	64	70	16	198
157	一色	Isshiki.	12	31	17	61	32	66	65	36	256	46	95	18	256
158	佐久島	Sakushima.	11	38	15	57	32	57	64	49	159	73	122	16	159
159	御油	Goyu.	10	30	34	95	58	51	61	37	134	41	135	20	135
	豊川														
160	豊橋	Toyohashi.	9	45	33	69	51	45	46	59	86	41	135	22	135
161	富岡	Tomioka.	13	38	53	90	81	53	98	29	132	46	196	21	196
162	新城	Shinshiro.	10	35	63	85	67	59	75	40	128	41	145	22	145
163	田口	Taguchi.	12	57	63	163	88	67	179	105	154	92	123	28	179
164	清岳	Kiyo-oka.	12	63	49	178	69	75	163	74	202	91	141	21	202
165	堀切	Horikiri.	12	70	15	55	41	61	45	52	154	47	75	16	154
166	濱松	Hamamatsu.	10	70	34	75	54	48	44	55	75	15	91	29	91
	天龍川														
167	二俣	Futamata.	8	43	81	110	70	59	66	53	97	24	110	21	110
168	下田	Shimoda.	13	34	61	155	53	72	158	75	123	48	120	27	158
169	飯田	Iida.	17	23	35	72	27	46	89	38	88	55	62	....	....
170	伊那	Ina.	14	18	42	60	34	45	73	42	65	117	56	40	117
171	上諏訪	Kamisuwa.	7	13	20	39	24	30	83	38	58	76	30	20	83
172	御前崎	Omaisaki.	19	121	30	105	51	40	37	45	44	47	83	20	121
173	島田	Shimada.	12	52	76	90	78	73	65	65	99	36	168	47	168
174	靜岡	Shizuoka.	32	57	90	151	79	70	154?	70	181?	88	....	....	....
	富士川														
175	岩淵	Iwabuchi.	19	45	55	88	75	62	83	96	55	31	138	46	138
176	横根中區	Yokonechūku.	19	17	45	112	....	....	150	....	....	30	99	20	....
177	印澤	Inzawa.	....	....	....	....	....	....	93	97	125	91	63	17	....
178	鰍澤	Kajikazawa.	—	—	—	—	—	—	102	92	131	93	69	23	....
179	住吉	Sumiyoshi.	10	34	27	42	....	....	67	76	83	76	53	13	....
180	鵜飼	Ugai.	—	—	—	—	—	—	56	....	....	....	....	11	....
181	駒飼	Komagai.	—	—	—	—	—	—	46	86	....	51	59	14	....
182	小原西分	Koharanishibun.	—	—	—	—	—	—	44	48	78	54	45	11	....
183	釜和原	Kamawahara.	5	20	7	....	....	....	37	25	22	15	36	....	....
184	甲府	Kōfu.	10	33	27	37	38	44	59	68	101	88	50	13	101
185	龍王	Riuō	—	—	—	—	—	—	71	40	99	84	54	14	....
186	御嶽	Ontake.	9	34	19	42	....	....	67	85	105	69	....	12	....
187	韮崎	Nirasaki.	—	—	—	—	—	—	101	63	127	79	47	16	....
188	若神子	Wakamiko.	9	39	24	38	....	....	95	64	135	51	38	9	....
189	白須	Shirasu.	—	—	—	—	—	—	82	82	126	71	34	4	....
190	湯島	Yushima.	3	7	40	51	....	....	143	34	168	81	56	37	....
191	西湖	Nishinoumi.	....	48	26	82	....	....	85	200	60	88	84	22	....
192	古關	Koseki.	—	—	—	—	—	—	33	....	100	12	72	7	....
193	大宮	Ōmiya.	—	—	—	—	58	60	55	75	84	71	123	34	—
194	長濱	Nagahama.	16	46	27	81	....	....	102	158	57	81	81	21	....
195	谷村	Yamura-	10	41	37	26	....	....	84	171	83	90	71	11	....
196	猿橋	Saruhashi.	—	—	—	—	—	—	67	70	215	75	68	10	....
	狩野川														
197	沼津	Numatsu.	16	34	43	59	51	40	41	41	85	29	72	30	85
198	本立野	Hontachino.	20	52	21	70	66	101?	63	79	99	59	91	22	101?
199	長津呂	Nagatsuro.	—	—	—	—	46	40	39	10	25	100	41	17	—
200	石室崎	Irosaki.	14	43	17	14	35	34	3	10	27	104	55	18	104
201	神子元島	Mikomotoshima.	6	61	20	55	14	35	34	5	32	35	16	12	61
202	熱海	Atami.	26	71	31	60	50	31	64	124	93	41	78	39	124
203	城ヶ島	Jōgashima.	10	119	55	90	36	30	18	15	37	60	54	8	119
204	劍崎	Tsurugisaki.	6	65	22	67	44	36	41	29	30	83	90	5	90
205	觀音崎	Kanonsaki.	19	75	38	37	46	29	25	22	19	96	126	11	126
206	横須賀	Yokosuka.	20	51	47	69	70	24	34	32	39	76	128	15	128
207	横濱	Yokohama.	14	43	48	67	79	27	23	29	40	52	73	21	79
208	横濱	Yokohama.	—	—	—	—	—	—	—	—	—	46	61	18	—

第二表　明治廿九年最多降水日量表
TABLE II. GREATEST AMOUNT OF PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第二區 南海ノ續	**II. SOUTHERN SEA.—*Continued.***													
	多摩川														
209	羽田	Haneda.	12	22	23	37	48	18	11	39	30	46	46	15	48
210	大師河原	Daishigawara.	18	23	29	40	63	19	15	41	35	35	48	....	63
211	八王子	Hachiōji.	18	44	35	25	72	20	59	57	83	64	56	13	83
212	千ヶ瀬	Chigase.	11	32	23	26	58	21	68	162	204	52	51	10	204
213	品川	Shinagawa.	19	28	39	51	100	36	21	117	86	98	87	23	117
	荒川														
214	東京	Tōkiō.	13	26	31	36	61	27	12	58	79	50	65	11	79
215	浦和	Urawa.	10	24	29	25	53	20	25	34	62	40	40	10	62
216	熊谷	Kumagaya.	6	21	25	13	37	24	26	96	155	42	45	4	155
217	熊谷	Kumagaya.	—	—	—	—	—	—	—	—	—	—	—	4	—
218	大宮鄉	Ōmiyagō.	6	32	21	14	41	21	45	65	107	28	36	3	107
219	飯能	Hannō.	10	30	23	14	53	28	55	164	189	50	46	9	189
220	野島崎	Noshimasaki.	48	70	54	30	30	35	29	20	135	44	88	35	135
221	犬吠崎	Inuboyesaki.	22	36	91	66	65	31	36	29	23	146	86	18	146
	利根川														
222	銚子	Chōshi.	27	33	30	53	44	22	33	12	32	131	82	16	131
223	關宿	Sekiyado.	6	26	31	23	35	15	61	49	42	35	45	10	61
224	前橋	Mayebashi.	5	16	5	10	24	47	48	54	102	38	30	2	102
225	前橋	Mayebashi.	—	—	—	—	—	—	—	—	—	—	—	2	—
226	澁川	Shibukawa.	—	—	—	—	—	—	—	—	—	—	35	4	—
227	沼田	Numada.	6	17	23	12	17	20	65	91	54	39	34	4	91
228	沼田	Numada.	—	—	—	—	—	—	—	—	—	—	34	2	—
229	小日向	Kobinata.	—	—	—	—	—	—	—	—	—	—	38	11	—
230	下館	Shimodate.	11	28	25	15	22	15	87	34	57	33	47	10	87
231	眞岡	Maoka.	8	26	5	19	23	13	25	28	61	36	36	11	61
232	東鄉	Higashigō.	8	27	26	22	....	....	....	....	....	....	....	....	....
233	宇都宮	Utsunomiya.	8	33	27	21	36	21	39	24	78	33	44	9	78
234	鹿沼	Kanuma.	6	43	28	31	20	18	65	46	151	45	45	7	151
235	栃木	Tochigi.	7	20	25	12	23	44	29	45	116	34	44	6	116
236	佐野	Sano.	10	34	8	19	20	45	50	35	120	12	54	1	120
237	舘林	Tatebayashi.	—	—	—	—	—	—	—	—	—	—	44	6	—
238	足利	Ashikaga.	2	17	4	8	6	21	37	23	48	9	14	0	48
239	太田	Ōta.	—	—	—	—	—	—	—	—	—	—	26	3	—
240	桐生	Kiriu.	—	—	—	—	—	—	—	—	—	—	31	2	—
241	花輪	Hanawa.	—	—	—	—	—	—	—	—	—	—	33	3	—
242	伊勢崎	Isezaki.	—	—	—	—	—	—	—	—	—	—	33	1	—
243	萬塲	Manba.	—	—	—	—	—	—	—	—	—	—	30	3	—
244	藤岡	Fujioka.	—	—	—	—	—	—	—	—	—	—	37	1	—
245	富岡	Tomioka.	—	—	—	—	—	—	—	—	—	—	28	4	—
246	下仁田	Shimonita.	—	—	—	—	—	—	—	—	—	—	27	3	—
247	高崎	Takasaki.	—	—	—	—	—	—	—	—	—	—	29	3	—
248	安中	Annaka.	—	—	—	—	—	—	—	—	—	—	27	2	—
249	三ノ倉	Sannokura.	—	—	—	—	—	—	—	—	—	—	30	4	—
250	須賀川	Sukagawa.	—	—	—	—	—	—	—	—	—	—	28	22	—
251	中之條	Nakanojō.	—	—	—	—	—	—	—	—	—	—	38	7	—
252	草津	Kusatsu.	—	—	—	—	—	—	—	—	—	—	34	37	—
	第三區 東海	**III. EASTERN SEA.**													
	那珂川														
1	水戸	Mito.	14	34	26	22	27	16	17	81	58	46	69	4	69
2	矢板	Yaita.	20	20	32	42	33	23	50	55	94	41	35	11	94
3	太田原	Ōtawara.	8	33	35	49	21	40	47	78	116	43	38	13	116
4	大子	Daishi.	12	37	34	31	20	16	43	52	188	40	47	17	188
5	棚倉	Tanagura.	6	30	43	32	41	66	68	47	160	54	38	1	160
6	平	Taira.	51	68	15	76	57	82	61	53	132	64	95	20	132
7	小濱	Obama.	1	86	49	26	58	47	137	36	91	46	61	4	137
8	中村	Nakamura.	3	10	51	3	34	41	105	61	59	68	44	17	105
	阿武隈川														
9	角田本鄉	Kakudahongō.	...	40	38	50	29	10	57	46	75	62	49	9	75

第二表 明治廿九年最多降水日量 粍

TABLE II. GREATEST AMOUNT OF PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第三區 東海ノ續	III. EASTERN SEA.—*Continued.*													
	阿武隈川ノ續														
10	桑折	Kori.	11	23	24	9	18	37	75	35	39	49	41	3	75
11	福島	Fukushima.	10	29	44	8	27	24	96	37	81	31	44	10	96
12	二本松	Nihonmatsu.	13	21	36	22	21	30	99	47	114	33	29	10	114
13	三春	Miharu.	11	17	24	22	15	30	123	30	85	36	32	9	123
14	郡山	Kōriyama.	16	23	27	20	8	28	67	67	71	64	26	9	71
15	須賀川	Sukagawa.	8	20	29	30	25	35	62	44	68	39	42	11	68
16	石川	Ishikawa.	4	2	4	15	30	20	73	42	156	52	38	13	156
17	白河	Shirakawa.	8	44	10	39	29	20	31	46	44	22	22	2	46
18	大河原	Okawara.	17	26	....	46	8	17	40	32	65	101	45	9	101
	名取川														
19	長町	Nagamachi.	14	60	5	7	33	18	50	19	64	58	39	8	64
20	仙臺	Sendai.	14	62	42	9	34	23	66	36	88	72	39	6	88
21	仙臺	Sendai.	14	60	36	7	35	44	64	19	68	58	35	10	68
22	南ノ目	Minaminome.	14	67	41	7	31	15	60	21	67	58	35	9	67
	鳴瀬川														
23	古川	Furukawa.	10	32	29	4	13	20	64	34	61	54	27	10	64
24	吉岡	Yoshioka.	13	68	46	8	31	36	64	30	66	66	41	—	—
	北上川														
25	石巻	Ishinomaki.	5	45	47	11	18	44	47	39	76	64	28	13	76
26	一ノ關	Ichinoseki.	11	28	21	60	27	62	92	43	110	16	27	16	110
27	水澤	Mizusawa.	13	31	30	27	15	71	139	17	63	57	40	10	139
28	花巻	Hanamaki.	12	22	47	49	18	29	88	50	55	51	41	45	88
29	盛岡	Morioka.	8	16	16	35	24	67	126	55	78	49	51	12	126
30	涌谷	Wakuya.	—	—	—	8	17	24	63	84	54	59	33	8	—
(23)	古川	Furukawa.	10	32	29	4	13	20	64	34	61	54	27	10	64
31	佐沼	Sanuma.	—	—	—	10	14	30	55	38	32	—	—	—	—
32	築館	Tsukidate.	13	59	31	8	16	32	84	37	30	60	27	10	84
33	遠野	Tōno.	5	42	19	31	21	21	102	13	58	43	30	6	102
34	金華山	Kinkwasan.	11	59	74	21	71	51	62	41	97	60	65	15	97
35	盛	Sakari.	22	85	53	83	46	86	92	55	77	82	44	16	92
36	宮古	Miyako.	6	73	33	26	23	30	34	137	51	64	41	11	137
37	久慈	Kuji.	3	63	39	41	22	32	46	105	37	77	63	4	105
	馬淵川														
38	八戸	Hachinohe.	6	45	13	8	7?	27	114	57	82	69	40	9	114
39	三戸	Sannohe.	—	—	—	33	36	20	103	146	95	64	40	7	—
40	福岡	Fukuoka.	7	22	15	36	35	24	117	146	100	66	46	13	146
41	七戸	Shichinohe.	9	43	13	33	34	30	80	42	78	68	50	11	80
42	茂寄	Moyori.	1	1	2	2	—	—	—	—	—	—	—	—	—
43	下帶廣	Shimo-obihiro.	21	80	12	13	9	40	75	77	58	38	27	14	77
44	大津	Otsu.	5	27	26	89	—	—	—	—	—	—	—	—	—
45	白糠	Shiranuka.	—	—	—	12	16	34	13	41	72	15	10	12	—
46	鳥取	Tottori.	6	4	12	—	—	—	—	—	—	—	—	—	—
47	舌辛	Shitakara.	11	11	1	22	38	92	4	18	92	41	—	11	—
	釧路川														
48	釧路崎	Kushirozaki.	5	36	4	25	21	128	29	84	151	33	37	13	151
49	標茶	Shibecha.	16	38	7	43	17	76	39	58	65	31	33	7	76
50	大黒島*	Daikokushima.*	12	30	8	39	53	76	51	29	67	45	45	10	76
51	霧多布	Kiritafu.	2	....	....	54	19	91	3	43	69	37	30	10	—
52	落石崎	Otchishisaki.	20	21	10	62	31	85	50	56	83	55	76	17	85
53	納沙布崎	Nashafsaki.	9	16	7	13	7	22	17	14	52	14	27	5	52
54	辨天島	Bentenshima.	49	62	16	33	100	41	37	39	46	20	53	14	100
55	根室	Nemuro.	19	42	4	29	17	96	21	38	44	20	36	11	96
56	別海	Pekkai.	1	0	8	6	14	47	6	17	17	8	19	7	47
57	計羅武威岬	Keramuimisaki.	9	21	10	18	34	97	19	56	65	47	75	17	97
58	泊	Tomari.	—	—	—	—	—	—	40	106	50	21	8	....	....
59	標津	Shibetsu.	9	3	1	3	8	12	5	24	71	59	....	....	....
60	蘂取	Shibetoro.	37	9	14	21	26	15	21	24	31	50	59	33	59

原岸灣 * Gulf of Akkeshi.

第二表　明治廿九年最多降水日量 粍
TABLE II. GREATEST AMOUNT OF PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第四區 甲	內海 南岸　IV. INLAND SEA. a. S. Coast.													
1	部崎	Hesaki.	28	22	32	95	42	79	47	25	28	71	50	22	95
2	行事	Gicji.	22	25	25	51	45	45	102	60	41	70	40	20	102
3	椎田	Shiita.	—	—	—	—	—	—	105	78	43	95	35	14	—
4	戸原	Tohara.	19	39	21	80	96	42	91	164	42	95	53	18	164
5	中津	Nakatsu.	10	33	16	36	....	35	130	93	....	94	32	17	....
6	四日市	Yokkaichi.	12	34	20	36	112	45	78	81	80	114	27	20	114
7	龍王	Riuō.	16	28	23	48	117	53	87	152	96	117	....	12	....
8	玉津	Tamatsu.	10	31	20	20	92	37	96	42	58	111	28	19	111
9	鶴川	Tsurukawa.	22	32	25	26	120	43	43	40	38	133	29	29	133
10	日出	Hide.	21	31	34	40	94	46	112	65	66	114	33	16	114
	大分川														
11	大分	Oita.	25	32	26	42	115	46	66	52	107	145	32	6	145
12	高岡	Takaoka.	21	29	30	83	67	41	75	82	124	125	53	12	125
	大野川														
13	市塲	Ichiba.	11	16	26	59	31	51	109	48	166	45	32	12	166
14	竹田	Takeda.	27	18	25	43	45	42	38	96	121	26	21	9	121
15	臼杵	Usuki.	11	10	45	30	95	37	128	11	146	137	36	12	146
	肱川														
16	大洲	Ōzu.	10	23	20	65	37	62	66	69	35	37	23	11	69
17	卯ノ町	Unomachi.	17	19	17	127	54	52	71	133	36	81	31	25	133
18	郡中	Gunchu.	11	13	18	40	31	56	53	62	27	50	32	15	62
19	松山	Matsuyama.	12	14	24	51	65	44	55	65	23	45	30	16	65
20	三津	Mitsu.	9	14	23	54	34	60	62	49	22	52	27	17	62
21	釣島	Tsurishima.	17	18	27	63	34	57	78	62	21	83	32	19	83
22	大下島	Ōgeshima.	13	20	18	46	25	30	65	57	22	15	12	21	65
23	波止濱	Hashihama.	14	14	18	36	19	36	71	48	23	35	34	11	71
24	今治	Imaharu.	13	14	24	31	35	34	58	45	23	37	29	10	58
25	西條	Saijo.	16	17	20	32	88	44	73	90	54	50	19	13	90
26	多喜濱	Takihama.	15	15	16	37	34	29	68	55	45	52	21	12	68
27	川ノ江	Kawanoye.	22	16	18	29	30	28	115	125	55	85	21	11	125
28	大野原	Onohara.	....	....	....	....	28	35	94	131	....	....	14	....	....
	財田川														
29	觀音寺	Kwanonji.	....	20	21	32	29	32	78	120	50?	....	15	....	....
30	財田上	Takaradakami.	11	19	22	28	35	28	69	158	61	55	22	10	158
31	七個	Shichika.	15?	21	20	23	23	22	68	205	72?	....	21	11	....
32	大濱浦	Ōhamaura.	14	....	21	20	21	26	54	83	47	54	17	9	83
33	多度津	Tadotsu.	11	18	22	32	21	28	67	100	41	45	18	13	100
34	岡田下	Okadashita.	14	28	23	26	25	36	60	156	51	42	17	9	156
35	琴平	Kotohira.	13	34?	19	31	29	38	72	185	55	52	18	11	185
36	丸龜	Marugame.	13?	19	20	....	....	....	....	....	....	....	....	....	....
37	宇多津	Udatsu.	9	19	23	30	22	29	68	82	58	43	24	18	82
38	坂出	Sakaide.	8	17	....	28	19	24	50	82	37	32	15	12	....
39	坂出	Sakaide.	9	18	16	27	....	....	....	....	....	....	....	....	....
40	新名	Shinmii.	14	26	26	23	54	56	53	159	51	....	17	18	....
41	扮所西	Sogishonishi.	33	28	20	34	42	30	76	121	89	38	21	11	121
42	安原下	Yasuharashimo.	16	22	16	31	56	55	75	255	119	37	23	11	255
43	高松	Takamatsu.	10	24	26	25	23	35	49	95	50	36	16	11	95
44	西潟元	Nishikatamoto.	12	24	20	20	22	37	54	73	33	35	12	9	73
45	志度	Shido.	12	22	20	....	....	....	....	....	....	....	....	....	....
46	長尾西	Nagaonishi.	10	26	22	24	33	29	83	96	69	32	16	10	96
47	土庄	Tonoshō.	10	23?	....	29	18	32	100	114	87	29	20	10?	114?
48	鍋島	Nabeshima.	7	23	22	30	14	25	65	91	54	36	27	9	91
49	男木島	Otokogishima.	10	22	18	39	22	20	56	86	48	42	17	18	86
50	松原	Matsubara.	14	25	25	29	46	48	59	110	116	32	16	11	116
51	江崎	Yesaki.	15	15	23	52	24	42	61	62	113	44	72	19	113
52	苫ヶ島	Tomogashima.	21	42	26	50	50	74	91	142	150	111	111	23	150
	第四區 乙	內海ノ續 北岸　IV. INLAND SEA.—*Continued.* b. N. Coast.													
1	壇ノ浦	Dannoura.	30	21	25	98	70	74	44	79	27	81	36	21	98
2	豊浦	Toyora.	31	19	20	94	59	55	47	53	28	71	24	22	94

第二表　明治廿九年最多降水日量 (續)
TABLE II. GREATEST AMOUNT OF PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名 Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第四區 內海ノ續 乙 北岸ノ續 IV. INLAND SEA.—*Continued.* b. *N. Coast.-Continued.*													
	木屋川													
3	上保木 Kamiboki.	35	22	21	87	92	90	31	51	25	16	26	18	92
4	船木 Funaki.	17	8	18	51	57	17	17	17	17	17	17	11	57
5	西須惠 Nishisui.	16	22	18	51	46	42	....	25	30	57	....	....	....
	厚東川													
6	太田 Ōta.	29	26	21	58	66	77	32	38	28	95	25	29	95
7	嘉萬上郷 Kamakamigō.	32	27	13	60	66	78	39	63	....	79	39	35	....
	椹野川													
8	下郷 Shimogō.	31	23	22	....	67	60	51	36	25	11	....	....	....
9	山口 Yamaguchi.	37	32	27	94	50	73	49	35	28	99	24	23	99
10	仁保中郷 Nihonakagō.	30	24	....	64	75	62	63	33	20	89	30	20	89
	佐波川													
11	野谷 Noya.	....	....	....	....	....	....	....	....	33	130	....	....	....
12	三田尻 Mitajiri.	19	29	21	66	62	62	60	32	17	107	30	21	107
13	濱方 Hamakata.	15	26	17	72	62	70	42	26	15	42	....	....	....
14	德山 Tokuyama.	18	27	15	66	47	54	51	....	....	....	....	....	....
15	八代 Yatsushiro.	....	37	30?	87	62	53	86	43	36	43	36	....	....
16	下久原 Shimokubara.	....	23	33	44	37	45	25	46	41	68	....	30	....
17	室積 Murotsumi.	15	31	23	54	55	31	168	32	17	59	35	53	168
18	上ノ關 Kaminoseki.	14	24	22	47	56	36	63	38	....	55	35	19	....
19	東屋代 Higashiyashiro.	15	....	....	....	....	69	....	....	....	....	....	....	....
20	和田 Wada.	20?	27?	39	66	48	....	....	....	....	....	....	....	....
	錦川													
21	岩國 Iwakuni.	18	39	35	90	41	54	64	29	16	93	28	42	93
22	須々萬本郷 Susumahongō.	29	....	34	....	....	....	....	....	....	....	....	....	....
23	鹿野上 Kanokami.	34	42	39	90	69	95	91	87	35	110	30	43	110
24	宇佐郷 Usagō.	....	....	....	....	....	....	....	48	43	....	....	....	....
25	大竹 Ōtake.	....	34	33	100	55	108	94	52	18	98	34	32	....
26	津田 Tsuda.	18	31	21	68	43	62	63	56	24	84	20	37	84
27	廿日市 Hatsukaichi.	13	32	18	20	52	55	54	26	20	5	5	3	55
	太田川													
28	廣島 Hiroshima.	11	24	17	63	37	43	38	36	14	64	19	20	64
29	祇園 Gion.	...	....	....	71	39	49	....	....	....	....	....	....	....
30	可部 Kabe.	12	28	15	73	28	40	62	43	31	66	23	22	73
31	加計 Kake.	16	27	14	43	28	42	55	45	32	72	24	19	72
32	井原 Ihara.	5?	18	7	40	31	22	42	31	40	23	15	7	42
33	戸河内 Togauchi.	15	40	11	55	30	22	41	11	8	20	23	20	55
34	東八幡 Higashiyawata.	—	—	—	12	35	60	70	120	80	70	40	9	....
35	政所 Seisho.	—	—	—	36	30	58	34	69	34	46	26	32	....
36	吉浦 Yoshiura.	....	....	16	55	27	45	53	37	16	63	30	20	....
37	吳 Kure.	11	29	19	62	38	56	61	33	17	63	30	21	63
38	南方 Nanhō.	—	—	—	—	29	60	46	32	15	31	20	10	—
39	西條 Saijō.	10	24	17	52	33	56	38	30	18	42	18	16	56
40	竹原 Takehara.	13	25	15	47	32	59	52	43	26	44	23	13	59
41	大久野島 Ōkunoshima.	11	20	6	31	15	23	26	31	13	28	34	21	34
42	忠海 Tadanomi.	13	26	17	32	33	52	48	35	25	28	26	10	52
43	戸野 Tono.	7	22	14	31	34	56	45	37	15	35	21	23	56
44	乃美 Nomi.	—	21	....	42	21	34	36	....	35	48	28	30	....
45	尾道 Onomichi.	11	20	25	29	22	40	56	20	47	29	26	13	56
46	松永 Matsunaga.	10	23	17	35	24	30	39	43	41	....	39	13	....
47	百貫島 Hiakkwanshima.	7	12	15	23	19	22	49	23	35	29	68	10	68
48	鞆 Tomo.	—	—	6	28	23	22	72	35	21	29	25	9	....
	蘆田川													
49	福山 Fukuyama.	12	22	17	37	21	21	37	34	34	27	28	9	37
50	府中市 Fuchuichi.	11	28	10	52	45	45	51	40	52	42	20	11	52
51	甲山 Kōzan.	—	—	14	40	29	58	47	54	32	34	19	16	...
52	市村 Ichimura.	—	—	—	—	24	57	50	52	42	32	30	17	....

第二表 明治廿九年最多降水日量 續
TABLE II. GREATEST AMOUNT OF PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第四區 內海ノ續 乙 北岸ノ續	IV. INLAND SEA—*Continued.* b. *N. Coast.-Continued.*													
	蘆田川ノ續														
53	江木	Yeki.	10	24	22	46	37	62	39	29	32	34	16	15	62
54	東中條	Higashi-nakajō.	—	—	—	—	—	37	42	24	23	22	19	9	—
55	笠岡	Kasaoka.	9	18	21	27	20	18	50	55	....	29	24	9	55
56	玉島	Tamashima.	9	23	19	27	20	16	50	56	27	32	30	12	56
	高梁川														
57	倉敷	Kurashiki.	10	16	18	28	19	21	50	....	49	33	29	10	50
58	岡田	Okada.	11	21	19	29	19	33	47	....	28	32	26	10	47
59	高梁	Takahashi.	11	31	14	43	30	28	55	....	21	27	22	10	55
60	新見	Niimi.	11	25	10	40	35	32	44	40	40	....	....	14	44
61	西江原	Nishiebara.	9	30	14	38	25	43	47	53	21	26	24	10	53
62	東城	Tōjō.	—	—	—	—	—	—	87	29	27	31	26	15	—
63	油木	Yuki.	—	—	—	—	11	31	63	36	28	34	24	20	—
64	原古才	Harakosai.	....	17	27	28	20	33	61	39	50	35	30	....	61
65	味野	Ajino.	10	16	20	29	19	18	57	83	39	36	32	7	83
66	東野崎	Higashinosaki.	10	18	22	33	17	20	63	68	41	32	27	9	68
	旭川														
67	下出石	Shimoizuishi.	9	20	21	31	17	20	50	62	47	33	31	13	62
68	岡山	Okayama.	9	20	20	35	17	19	48	57	53	34	31	10	57
69	金川	Kanagawa.	10	19	15	32	20	30	60	36	57	19	21	11	60
70	下弓削	Shimoyuge.	8	28	....	42	....	35	36	66	40	37	23	13	66
71	勝山	Katsuyama.	16	31	12	68	16	62	50	64	35	53	27	18	68
72	湯本	Yumoto.	4	43	26	41	21	61	110	57	36	36	40	15	110
73	西輕部	Nishikarube.	9	23	18	37	24	34	67	46	51	34	30	11	67
	吉井川														
74	西大寺	Saidaiji.	7	20	20	34	19	24	50	....	48	23	29	11	50
75	周匝	Susai.	9	25	18	41	26	....	....	....	....	....	....	....	....
76	津山	Tsuyama.	23	32	20	58	36	59	52	40	27	34	33	....	59
77	倉敷	Kurashiki.	7	24	....	39	....	46	90	....	55	25	26	17	90
78	勝間田	Katsumada.	8	30	....	45	27	42	77	37	50	36	28	16	77
79	西片上	Nishikatakami.	9	19	20	39	21	24	99	49	47	....	30	12	99
	千種川														
80	尾崎	Osaki.	9	21	22	17	28	43	94	41	71	22	26	21	94
81	大持	Daimochi.	9	26	13	51	46	34	114	50	88	41	28	18	114
82	佐用	Sayō.	9	22	22	36	28	66	103	38	60	38	34	17	103
	揖保川														
83	龍野	Tatsuno.	12	28	37	73	44	33	55	54	55	30	43	22	73
84	安積	Azumi.	12	22	34	41	23	61	71	....	55	32	33	25	71
	市川														
85	西田原	Nishitawara.	15	45	24	44	34	46	69	45	95	45	53	22	95
86	生野	Ikuno.	13	20	43	120	30	89	50	140	73	19	39	19	140
87	大鹽	Ōshio.	12	18	21	36	19	27	126	50	109	37	33	17	126
	加古川														
88	加古川	Kakogawa.	12	23	18	67	19	24	....	64	118	50	43	18	118
89	佐治	Saji.	10	30	40	50	59	34	65	207	85	61	58	22	207
90	篠山	Shinoyama.	14	32	32	76	34	49	67	200	86	44	67	22	200
91	和田岬	Wadanomisaki.	15	21	24	45	52	44	79	170	63	33	65	21	170
92	神戸	Kōbe.	—	—	—	—	—	—	—	—	—	—	—	19	—
	池田川														
93	池田	Ikeda.	13	27	34	83	32?	29	....	....	....	....	....	....	....
94	宿野	Shikuno.	12	20?	15	27	30	42	51	231	92	37	....	50	231
95	地黃	Jiō.	10	28	17	79	35	38	78	257	183	43	56	17	257

第二表 明治廿九年最多降水日量

TABLE II. GREATEST AMOUNT OF PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第四區 内海ノ續 乙 北岸ノ續	IV. INLAND SEA.—*Continued.* b. *N. Coast.-Continued.*													
	澱川														
96	本西島	Hontorishima.	18	25	19	54	35	42	60	53	96	32	78	16	96
97	天保山	Tenpōsan.	20	20	21	47	28	37	63	91	83	28	70	15	91
98	大阪	Ōsaka.	19	24	20	63	32	47	68	176	100	32	74	15	176
99	大阪	Ōsaka.	19	22	19	62	35	45	66	168	102	12	88	10	102
100	炭屋	Sumiya.	15	20	17	59	29	53	66	128	106	33	63	14	128
101	天王寺	Tennōji	5	34	18	50	30	....	....	....	....	....	52	14	....
102	茨木	Ibaraki.	21	25	16	82	30	38	56	103	....	73	61	16	103
103	枚方	Hirakata.	19	24	15	65	28	44	71	57	....	60	54	15	....
104	向日	Mukō.	17	26	16	81	25	33	60	86	77	41	59	15	86
105	淀	Yodo.	23	26	14	74	26	33	62	94	....	42	57	16	94
106	伏見	Fushimi.	22	25	22	75	23	38	63	100	107	34	55	16	107
107	醍醐	Daigo.	10	24	15	67	25	36	46	116	114	49	59	16	116
108	草津	Kusatsu.	19	26	15	56	28	31	60	106	150	57	60	12	150
109	水口	Minaguchi.	11	27	15	37	20	45	103	91	218	48	56	23	218
110	八幡	Hachiman.	20	38	19	70	25	46	88	82	70?	68	56	16	88
111	愛知川	Ichigawa.	16	24	13	50	23	39	58	101	323	46	41	14	323
112	山上	Yamakami.	18	20	21	35	14	46	111	150	512	27?	32	18	512
113	彦根	Hikone.	34	19	14	64	32	48	71	145	538	40	45	14	538
114	長濱	Nagahama.	70	14	17	65	30	81	84	80	185	....	35	32	....
115	木ノ本	Kinomoto.	....	29	40	43	30	53	68	90	430	59	43	28	430
116	中河内	Nakakawachi.	54	....	....	....	46	114	....	91	....	54	43	92	....
117	今津	Imazu.	37	31	35	38	33	75	83	56	223?	....	84	14	223?
118	比叡山	Hieizan,	21	27	24	127	30	....	....	114?	151	61	58	18	....
119	大津	Ōtsu.	22	32	17	70	37	34	53	142	166	51	64	17	166
120	田邊	Tanabe.	21	29	15	61	23	43	55	85	114	44	67	13	114
121	木津	Kizu.	12	17	15	49	25	34	54	....	115	25	52	15	115
122	名張	Nabari.	9	13	35	34	35	36	100	216	125	15	53	22	216
123	名張	Nabari.	15	17	28	31	25	23	132	216	189	13	66	20	216
124	上野	Ueno.	23	15	11	46	32	48	136	143	202	29	34	11	202
125	太秦	Uzumasa.	16	23	19	82	27	26	63	65?	66	48	53	17	82
126	龜岡	Kameoka.	10	35	17	83	31	34	101	113	80	52	39	20	113
127	園部	Sonobe.	10	29	24	49	26	28	63	102	76	42	47	21	102
128	周山	Shuzan.	13	30	18	54	31	48	67	136	68	43	43	24?	136
129	京都	Kioto.	17	22	15	86	27	28	55	137	112	43	54	18	137
130	田中	Tanaka.	16	18	15	80	26	28	52	63?	85?	40	48	17	85
	大和川														
131	八尾	Yao.	12	22	18	45	23	43	52	72	94	11	52	15	94
132	柏原	Kashiwahara.	8	19	23	46	27	48	65	86	95	23	69	17	95
133	富田林	Tondahayashi.	11	19	14	46	26	40	45	84	80?	31	42	18	84
134	奈良	Nara.	16	18	20	43	32	49	....	149	112	....	....	....	....
135	初瀬	Hatsuse.	13	15	13	38	28	38	79	171	150	24	37	16	171
136	田原	Tahara.	15	26	18	72	34	51	45	93	81	33	71	16	93
137	御所	Gose.	22	16	20	....	38	....	....	133	....	34	91	23	133
138	堺	Sakai.	9	22	18	46	33	44	50	100	92	34	54	19	100
139	長承寺	Chōshōji.	10	23	16	46	36	40	55	115	88	32	65	16	115
140	岸和田	Kishiwada.	16	25	16	38	35	40	72	102	98	34	70	21	102
141	尾崎	Osaki.	....	....	....	63	46	62	89	119?	110	....	....	....	....
142	谷川	Tagawa.	19	39	18	71	48	58	67	84	74	63	81	26	84
	第五區 日本海	V. SEA OF JAPAN.													
1	三ツ島	Mitsushima.	11	40	52	57	22	68	88	87	32	31	18	98	98
2	佐須奈	Sasuna.	12	23	42	59	19	92	70	84	41	31	53	71	92
3	嚴原	Itsugahara.	30	38	56	89	62	205	90	73	72	34	38	47	205
4	神崎	Kamisaki.	2	3	25	88	52	117	100	66	52	31	34	53	117
5	武生水	Mushōzu.	19	37	31	66	37	112	83	102	15	22	42	90	112
6	伊萬里	Imari.	23	27	40	54	58	68	28	110	33	42	62	44	110
7	唐津	Karatsu.	16	22	41	48	50	67	61	69	27	10	7	58	69
8	烏帽子島	Yeboshishima.	19	28	29	44	42	108	135	47	13	13	28	15	135
9	前原	Mayebara.	11	....	....	....	....	....	....	298	20	21	40	18	....
10	福岡	Fukuoka.	15	14	30	45	64	59	62	177	23	37	34	22	177
11	二日市	Futsukaichi.	12	15	29	....	....	....	57	100	24	67	41	41	....
12	大川	Ōkawa.	21	17	32	47	32	51	63	170	21	44	34	26	170
13	東郷	Tōgō.	26	22	27	39	30	78	125	128	11	39	31	22	128

第二表 明治廿九年最多降水日量 粍
TABLE II. GREATEST AMOUNT OF PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第五區 日本海ノ續	V. SEA OF JAPAN.—*Continued.*													
	遠賀川														
14	蘆屋	Ashiya.	....	....	....	....	....	....	....	112	10	50	34	17	....
15	直方	Naokata.	21	25	....	42	69	....	....	....	....	....	....	31	....
16	直方	Naokata.	....	....	....	....	....	....	....	....	26	65	33	26	....
17	飯塚	Iizuka.	20	20	13	....	65	69	101	16	30	74	34	21	....
18	土居	Doi.	20	25	40	64	67	72	....	165	26	74	42	22	....
19	香春	Kaharu.	....	....	....	52	30	....	101	40	21	41	29	18	....
20	添田	Soeda.	18	23	28	67	123	60	203	203	23	85	44	11	203
21	小倉	Kokura.	....	25	25	50	60	....	60	66	16	75	28	13	....
22	白洲	Shirasu.	12	36	35	92	55	134	64	117	15	67	59	21	134
23	六連島	Mutsurenshima.	34	19	29	46	53	67	42	56	26	66	35	19	67
24	赤間關	Akamagaseki.	28	20	19	54	72	56	33	46	26	76	24	18	76
25	小串	Kogushi.	20	24	19	50	73	64	32	66	24	56	21	18	73
26	角島	Tsunoshima.	23	35	38	63	64	102	56	83	24	59	47	22	102
27	河原	Kawara.	19	33	27	54	86	51	66	70	34	65	51	18	86
28	東深川	Higashifukagawa.	16	22	18	51	46	42	....	25	30	56	....	....	....
29	見島	Mishima.	10	34	18	51	26	89	57	32	18	53	28	26	89
	松本川														
30	萩	Hagi.	30	21	17	41	36	37	59	25	43	45	36	32	59
31	生雲中	Ikumonaka.	16	....	19	53	77	71	57	87	32	....	....	....	....
32	佐々並	Sasanami.	....	....	....	....	19	17	17	13	....	14	15	16	....
33	嘉年上	Kanekami.	....	....	....	....	....	....	54	83	50	....	....	....	....
34	須佐	Susa.	18	26	15	36	33	27	72	69	30	79	51	21	79
35	津和野	Tsuwano.	12	22	16	40	74	40	55	97	39	48	36	22	97
36	益田本郷	Masudahongō.	14	26	14	41	25	34	57	73	47	96	30	24	96
37	濱田	Hamada.	16	36	10	37	23	50	65	40	30	67	19	21	67
	郷川														
38	川本	Kawamoto.	9	22	12	33	28	36	35	29	21	50	23	30	50
39	濱原	Hamahara.	11	18	9	32	25	64	156	54	45	61	23	32	156
40	三次	Miyoshi.	9	27	11	38	25	56	44	60	37	44	20	17	60
41	三良坂	Mirasaka.	—	—	—	34	26	54	80	68	26	55	26	21	—
42	西野	Nishino.	4	22	16	28	21	40	25	43	26	32	20	7	43
43	生田	Ikuta.	12	22	10	40	22	49	40	37	54	72	23	21	72
44	吉田	Yoshida.	13	24	7	43	28	31	60	37	68	47	21	20	68
45	壬生	Mibu.	15	42	14	42	32	32	72	49	31	60	43	32	72
46	大朝	Ōasa.	11	33	13	35	30	44	45	39	28	67	24	21	67
47	上布野	Kamifuno.	—	—	—	34	23	55	49	60	24	12	29	15	—
48	新市	Shinichi.	—	18	17	34	29	52	131	40	48	45	29	....	....
49	庄原	Shōhara.	5	2	12	33	30	31	72	41	33	28	11	14	72
50	西城	Saijō.	5	20	11	47	43	76	197	56	21	28	26	23	197
51	小島原	Koshimahara.	18	30	15	60	20	60	103	66	56	46	32	50	103
52	大森	Ōmori.	20	50	22	36	27	100	250	43	30	35	50	40	250
53	今市	Imaichi.	12	15	19	34	13	104	70	36	58	52	36	36	104
	斐伊川														
54	大東	Daitō.	12	19	18	48	60	80	80	60	40	34	28	40	80
55	掛合	Kakeya.	20	47	9	28	25	28	35	14	44	46	27	26	46
56	福富	Fukudomi.	9	32	17	33	19	92	64	31	47	61	38	42	92
57	廣瀬	Hirose.	10	30	19	24	12	75	64	39	35	27	54	32	75
58	八田	Hatta.	18	23	35	58	15	48	66	23	19	59	28	32	66
59	米子	Yonago.	7	25	14	28	12	60	48	64	24	24	45	....	....
60	境	Sakai.	9	36	24	32	17	69	61	32	37	38	49	46	69
61	境	Sakai.	26	39	34	92	28	71	68	36	40	58	55	45	92
	日野川														
62	二部	Nibu.	12	30	18	21	13	67	66	45	42	25	40	49	67
63	黒阪	Kurozaka.	18	40	12	12	15	36	87	52	29	24	35	14	87
64	多里	Tari.	18	41	15	21	24	51	64	61	42	26	32	34	64
65	佐摩	Sama.	10	25	24	24	24	86	54	60	85	25	62	35	86
66	御來屋	Mikuriya.	8	26	21	21	12	58	61	59	34	30	39	41	61

第二表 明治廿九年最多降水日量表

TABLE II. GREATEST AMOUNT OF PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第五區 日本海ノ續	V. SEA OF JAPAN.—*Continued.*													
67	八橋	Yahashi.	15?	24	12?	16	17	65	40	....	....	....	....	....	....
68	倉吉	Kurayoshi.	8	19	12	15	10	50	57	91	27	29	45	48	91
69	青谷	Aoya.	14	40	18	18	11	71	62	85	30	35	32	22	85
70	吉岡	Yoshioka.	13	32	26	13	14	70	44	117	42	30	29	23	117
	千代川														
71	智頭	Chizu.	15	33	32	28	38	71	55	144	57	38	56	25	144
72	鳥取	Tottori.	21	25	15	14	11	47	52	131	31	35	37	56	131
73	鳥取	Tottori.	14	29	....	....	....	....	....	....	....	....	....	....	...
74	栃本	Tochimoto.	25	36	23	13	25	64	67	170	46	43	47	44	170
75	郡家	Kōge.	15	15	26	12	15	45	39	127	50	36	39	19	127
76	若櫻	Wakasa.	20	31	21	23	27	53	42	75	54	25	30	28	75
77	岩井	Iwai.	28	21	24	23	28	56	79	107	48	36	48	50	107
78	湯村	Yumura.	18	40	19	17	25	43	47	....	48	34	43	37	....
	圓山川														
79	豊岡	Toyo-oka.	11	29	21	13	24	42	48	179	55	37	38	28	179
80	出石	Izushi.	13	23	24	18	30	30	32	160	56	40	34	22	160
81	和田山	Wadayama.	14	27	15	22	30	29	41	206	63	51	51	23	206
82	久美濱	Kumihama.	28	28	22	20	32	38	28	67?	54	43	36	45	67?
83	網野	Amino.	32	28	22	19	35	38	32	140	105	47	37	46	140
84	峰山	Mineyama.	23	43	22	20	31	39	37	91	72	46	43	50	91
85	宮津	Miyatsu.	16	24	26	23	39	41	49	114	89	52	55	29	114
	由良川														
86	由良	Yura.	12	24	28	29	46	48	49	106	125	41	54	50	125
87	福知山	Fukuchiyama.	10	29	24	29	30	30	80	109	....	33	37	17	....
88	綾部	Ayabe.	8	30	27	28	31	22	78	132	96	43	56	16	132
89	鷹栖	Takasu.	9	32	22	32	32	24	102	....	124	44	....	17	124?
90	舞鶴	Maitsuru.	16	27	36	32	46	54	78	....	....	39	52	30	....
91	久坂	Hisasaka.	....	....	....	....	41	53	76	293	141	42	....	....	....
92	熊川	Kumakawa.	....	....	....	....	45	76	77	161	190	53	....	....	....
93	立石岬	Tateishinohana.	58	31	25	43	37	49	58	91	180	46	50	25	180
	九頭龍川														
94	福井	Fukui.	....	....	....	....	28	84	63	129	181	87	....	....	....
95	大野	Ōno.	....	....	....	....	25	95	110	166	167	56	....	....	....
96	今庄	Imajō.	....	....	....	....	34	49	71	115	294	54	....	....	....
97	大聖寺	Daishōji.	23	35	31	32	32	41	56	203	187	71	63	49	203
98	小松	Komatsu.	32	27	27	32	21	38	50	104	142	65	48	53	142
99	白峰	Shiramine.	....	....	....	....	33	131	152	173	135	92	....	....	....
100	松任	Matsutō.	28	25	24	31	22	23	55	71	114	66	52	48	114
101	金澤	Kanazawa.	27	27	29	42	23	34	82	71	119	75	55	60	119
102	津幡	Tsubata.	26	27	24	32	27	35	70	78	115	27?	53	32	115
103	羽咋	Hagui.	18	20	24	36	21	53	49	23	98	54	68	51	98
104	輪島	Wajima.	27	21	31	44	19	27	47	26	42	....	....	....	....
105	輪島	Wajima.	....	....	....	....	....	....	....	....	....	....	....	62	....
106	祿剛崎	Rokkōsaki.	36	23	27	47	28	33	57	11	83	27	39	59	83
107	野々江	Nonoe.	33	16	19	44	19	18	59	15	98	42	40	41	98
108	飯田	Iida.	32	20	23	38	31	26	57	14	92	37	38	40	92
109	七尾	Nanao.	32	24	24	52	22	81	75	22	76	45	48	29	81
	庄川														
110	伏木	Fushiki.	24	21	25	30	28	61	74	42	115	74	36	52	115
111	高岡	Takaoka.	25	21	24	....	19	....	....	76	130	....	....	....	....
112	杉木新	Suginokoshin.	20	37	23	15	....	....	....	....	....	....	....	....	....
113	井波	Inami.	....	....	....	....	26	35	41	50	114	75	37	35	....
114	金屋岩黑	Kanayaiwakuro.	....	....	....	....	16	31	92	85	75	75	....	....	....
	神通川														
115	富山	Toyama.	25	19	23	26	....	....	72	90	109	65	38	28	....
116	高山	Takayama.	19	29	8	56	33	95	212	64	76	91	54	34	212
117	三室荒屋	Mimuroaraya.	....	....	....	....	30	40	92	104	80	80	....	....	....
118	船津	Funatsu.	....	....	....	....	30	45	168	91	56	74	....	....	....

第二表　明治廿九年最多降水日量
TABLE II. GREATEST AMOUNT OE PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第五區 日本海ノ續	V. SEA OF JAPAN.—*Continued.*													
119	魚津	Uotsu.	12	19	30	29	17	50	90	95	56	74	31	40	95
120	糸魚川	Itoigawa.	39	21	23	28	20	56	65	42	60	60	36	45	65
	關川														
121	高田	Takata.	....	....	....	....	....	35	81	18	55	51	66	156?	....
122	關山	Sekiyama.	....	....	....	....	28	41	105	54	68	50	....	....	....
123	安塚	Yasuzuka.	....	....	....	....	16	40	86	56	36	47	33	....	....
124	柏崎	Kashiwasaki.	....	....	....	21	26	....	58	32	32	31	22	....	....
	信濃川														
125	新潟	Niigata.	132	23	25	24	22	71	89	25	44	41	23	38	132
126	新潟	Niigata.	64	17	25	23	21	64	76	25	25	44	22	43	76
127	三條	Sanjō.	32	29	37	41	25	25	87	26	22	33	25	29	87
128	與板	Yoita.	23	19	35	46	25	23	83	23	31	34	34	48	83
129	長岡	Nagaoka.	....	....	22	21	25	33	84	27	30	35	28	....	....
130	小千谷	Ojiya.	....	....	....	....	16	23	136	46	27	38	38	....	....
131	十日町	Tōkamachi.	....	....	....	....	16	25	170	66	36	74	50	....	....
132	豊郷	Toyosato.	....	....	....	....	17	33	140	31	56	53	25	....	....
133	飯山	Iiyama.	....	....	....	14	23	18	93	31	54	54	19	....	....
134	中野	Nakano.	21	17	9	23	19	22	109	21	42	52	20	....	....
135	豊津	Toyotsu.	21	20	9	20	17	23	107	29	43	60	24	13	107
136	須坂	Susaka.	10	10	10	27	21	26	112	19	44	65	22	7	112
137	篠井	Shinonoi.	22	14	22	13	21	15	115	23	57	76	24	7	115
138	屋代	Yashiro.	11	12	27	33	21	18	112	23	65	....	....	....	....
139	上田	Ueda.	3	7	17	31	15	14	116	23	49	57	23	5	116
140	岩村田	Iwamurata.	4	5	23?	15	14	25	103	17	52	42	28	6	103
141	臼田	Usuda.	4	9	15	15	14	28	88	48	50	38	35	6	88
142	卷	Maki.	....	15	20	42	24	38	69	21	24	40	22	37	....
143	新津	Niitsu.	....	....	17	....	25	....	90	....	....	....	....	....	....
144	村松	Muramatsu.	....	....	....	....	26	57	150	40	17	42	....	....	....
145	橡尾町	Tochiomachi.	....	....	....	....	21	40	127	35	26	37	....	....	....
146	孟地	Mochi.	....	....	....	....	20	41	104	52	59	75	....	....	....
147	六日町	Muikamachi.	43	25	11	25	14	25	169	28	41	30	26	....	....
148	湯澤	Yusawa.	....	....	....	....	18	27	184	62	82	35	....	....	....
149	長野	Nagano.	16	11	11	25	19	28	94	14	47	47	21	7	94
150	大町	Omachi.	36	30	35	42	32	29	92	26	60	73	33	14	92
151	成相新田	Nariaishinden.	5	26	29	34	21	23	98	16	52	94	43	13	98
152	松本	Matsumoto.	....	....	....	30	....	....	83	....	....	....	....	....	....
153	奈良井	Narai.	14	26	26	25	38	....	....	....	....	....	....	....	....
154	島々	Shimashima.	....	....	....	....	....	....	129	31	53	75	....	....	....
155	姫崎	Himesaki.	53	25	26	31	43	90	54	45	105	62	42	20	105
	阿賀野川														
156	新發田	Shibata.	....	22	24	17	36	37	95	27	25	38	26	32	....
157	津川	Tsugawa.	....	....	....	....	31	9	98	57	35	37	48	33	....
158	喜多方	Kitakata.	15	25	28	11	17	50	73	30	48	23	15	26	73
159	坂下	Bange.	41	32	23	11	18	37	75	53	43	25	13	44	75
160	高田	Takata.	58	25	3	1	18	34	91	29	59	22	24	31	91
161	若松	Wakamatsu.	33	30	2	11	16	83	81	49	89	18	16	29	89
162	福良	Fukura.	....	....	....	....	16	22	244	80	113	40	....	....	....
163	猪苗代	Inawashiro.	30	37	18	7	12	47	137	35	82	22	30	8	137
164	只見	Tadami.	....	....	....	....	20	38	83	45	41	31	....	....	....
165	田島	Tajima.	21	34	12	18	17	19	108	80	130	27	27	6	130
166	小國	Okuni.	....	....	....	....	23	63	119	45	32	50	....	....	....
167	村上	Murakami.	....	....	....	....	32	40	65	51	22	48	26	36	....
168	加茂	Kamo.	19	16	19	37	30	49	71	73	36	....	....	....	....
	最上川														
169	酒田	Sakata.	7	14	8	28	21	58	62	40	30	50	24	40	62
170	酒田	Sakata.	21	20	22	28	27	72	78	34	35	62	25	19	78
171	新庄	Shinjō.	36	26	73	27	13	84	67	35	120?	27	22	33	120
172	楯岡	Tateoka.	8	18	6	25	25	30	30	27	37	30	14	20	37
173	天童	Tendō.	18	18	25	12	11	35	75	51	60	46	30	15	75
174	寒河江	Sagae.	13	20	22	16	13	44	109	57	73	51	33	20	109?

第二表　明治廿九年最多降水日量 粍
TABLE II. GREATEST AMOUNT OF PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第五區 日本海ノ續	V. SEA OF JAPAN.—*Continued.*													
	最上川ノ續														
175	山形	Yamagata.	9	27	12	15	9	30	79	35	67	45	26	16	79
176	上ノ山	Kaminoyama.	11	24	27	13	9	36	77	40	75	41	24	14	77
177	宮	Miya.	35	10	9	23	24	52	68	45	54	50	25	15	68
178	高畑	Takahata.	15	29	12	7	11	28	57	35	80	44	24	15	80
179	米澤	Yonezawa.	19	12	17	5	30	48	64	30	51	42	27	20	64
180	大鳥	Ōtori.	40	23	31	47	37	52	92	86	23	49	55	47	92
181	鶴岡	Tsurugaoka.	26	22	16	36	24	48	70	63	28	47	28	37	70
182	藤島	Fujishima.	23	17	14	30	22	44	60	76	47	45	22	38	76
	子吉川														
183	本莊	Honjō.	12	25	20	....	18	50	66	26	59	46	35	22	....
184	矢島	Yashima.	....	....	....	22	21	25	72	23	56	48	58	....	....
185	道川	Michikawa.	8	25	26	38	19	38	46	110	74	55	38	26	110
186	象潟	Hisakata.	—	—	—	—	—	—	—	28	43	55	26	20	....
	雄物川														
187	土崎	Ttuchisaki.	....	....	....	....	....	....	62	40	72	38	41	20	....
188	秋田	Akita.	13	19	26	29	24	68	106	70	55	42	39	23	106
189	新波	Araha.	16	19	21	26	27	62	75	35	49	58	35	24	75
190	大曲	Ōmagari.	7	5	10	6	10	25	27	26	40	30	27	12	40
191	橫手	Yokote.	....	11	....	....	....	....	....	....	....	24	18	....	....
192	沼舘	Numadate.	....	....	....	....	23	26	75	38	74	51	50	....	....
193	西馬音內	Nishimonai.	....	....	....	....	20	37	76	17	68	35	33	....	....
194	稻庭	Inaniwa.	31	16	15	15	14	35	127	55	53	46	27	24	127
195	川向	Kawamukaye.	13	21	12	11	12	25	61	44	42	35	40	15	61
196	角舘	Kakunotate.	21	11	12	29	38	52	87	57	46	50	32	24	87
197	田澤	Tazawa.	16	14	17	38	31	45	73	82	64	25	30	12	82
198	目長崎	Menagasaki.	15	23	28	40	37	60	175	83	73	42	42	31	175
199	笠岡	Kasaoka.	11	25	15	37	25	50	78	41	48	25	41	26	78
200	五城目	Gojonome.	13	14	29	41	22	42	83	45	78	43	48	34	83
201	船川	Funakawa.	12	21	23	23	19	25	60	61	65	22	....	....	....
	米代川														
202	能代	Noshiro.	18	20	20	25	21	....	....	....	....	....	....	....	....
203	鷹巣	Takanosu.	10	11	9	31	26	41	116	58	90	49	50	25	116
204	大舘	Odate.	6	....	....	13	....	....	27	24	25	25	27	....	....
205	扇田	Ōgita.	11	13	16	21	13	33	133	125	245	54	39	30	245
206	花輪	Hanawa.	19	11	20	12	20	23	25	42	66	37	40	22	66
207	八森	Hachimori.	....	....	....	....	....	....	....	35	29	30	20	....	....
208	鰺澤	Ajigasawa.	22	19	6	10	4	22	51	36	40	19	20	2	51
	岩木川														
209	五所河原	Goshogawara.	34	13	17	8	4	44	69	44	44	40	35	17	69
210	弘前	Hirosaki	29	....	12	19	....	....	....	....	....	....	26	....	....
211	國吉	Kuniyoshi.	24	34	62	78	11	33	85	63	62	48	20	28	85
212	黒石	Kuroishi.	10	10	....	22	10	30	70	44	37	35	20	8	70?
213	江良町	Eramachi.	21	50	4	32	8	22	40	35	16	13	11	7	50
214	鷗島	Komomeshima.	16	16	11	28	30	19	70	20	30	31	20	33	70
215	俄虫	Gamushi.	24	5	35	13	48	31	78	300?	13	56	25	....	....
216	久遠	Kutō.	....	....	....	30	24	28	58	....	....	....	....	....	....
217	釣掛	Tsurikake.	24	12	12	64	44	23	71	28	36	43	37	13	71
218	稻穗崎	Inahosaki.	18	12	11	52	38	25	30	28	33	50	31	20	52
219	太櫓	Futoro.	15	10	1	15	59	10	19	36	85	3	27	18	85
220	瀨棚	Setana.	24	13	10	16	24	16	44	26	11	6	10	12	44
221	辨慶崎	Benkeisaki.	7	22	6	11	1	12	19	42	40	35	25	20	42
222	壽都	Suttsu.	17	31	7	10	8	16	42	36	59	26	13	22	59
223	島古澤	Shimakodan.	5	4	5	9	1	9	43	16	29	30	30	2	43
224	岩內	Jwanai.	36	17	21	11	9	15	69	29	37	30	28	14	69
225	神惠內	Kamuinai.	....	....	....	31	13	15	117	81	71	23	23	....	....
226	神威岬	Kamoimisaki.	16	8	5	37	19	31	67	73	18	45	12	25	73
227	小泊	Kotomari.	17	16	22	21	11	12	52	35	40	31	38	20	52
228	仁木	Niki.	17	26	27	....	....	....	....	....	....	....	....	....	....

第二表 明治廿九年最多降水日量 粍

TABLE II. GREATEST AMOUNT OF PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第五區 日本海ノ續	V. SEA OF JAPAN.—*Continued.*													
229	日和山	Hiyorimiyama.	35	23	27	17	12	22	72	21	26	25	20	25	72
230	小樽	Otaru.	36	38	36	11	13	11	59	18	18	31	42	7	59
	石狩川														
231	石狩	Ishikari.	7.	3	13	16	6	24	61	48	18	49	25	12	61
232	札幌	Sapporo.	12	23	13	7	12	19	51	41	22	26	17	14	51
233	岩見澤	Iwamisawa.	20	16	16	30	....	....	....	....	....	....	....	....	....
234	市來知	Ichikijiri.	6	0	4	7	4	5	17	3	6	....	....	....	....
235	忠別	Chubetsu.	12	6	11	16	7	12	45	44	18	27	16	11	45
236	千歳	Chitose.	14	14	6	....	....	....	....	....	....	....	....	....	....
237	增毛	Mashike.	15	9	11	23	11	24	53	89	52	53	31	10	89
238	留萠	Rurumotsupe.	—	—	—	—	—	9	23	13	54	33	33	15	....
239	鴛泊	Oshitomari.	36	32	56	33	41	33	25	56	33	33	49	24	56
	仁川	Jenchuan.	13	9	2	49	15	74	37	34	20	25	19	13	74
	釜山	Fusan.	8	65	25	45	30	59	61	37	35	8	20	27	65
	釜山	Fusan'	14	57	13	44	34	77	72	41	43	22	16	12	77
	元山津	Yuensan.	2	25	13	46	27	60	96	96	44	13	12	3	96
	浦潮港	Vladivostok.	5	0	2	13	22	27	33	46	108	10	29	16	108
	第六區 津輕海峽	VI. TSUGARU STRAIT.													
1	青森	Aomori.	12	12	19	18	14	30	71	58	37	34	24	19	71
2	脇野澤	Wakinozawa.	22	45	21	18	13	....	77	53	52	45	27	20	....
3	田名部	Tanabe.	15	36	13	18	13	31	65	55	52	42	28	13	65
4	佐井	Sai.	—	—	—	—	—	—	—	—	47	79	....	....	....
5	尻矢崎	Shiriyasaki.	20	65	44	13	24	18	59	36	43	69	20	12	69
6	辨天島 *	Bentenshima.*	28	40	1	30	16	35	65	40	50	39	12	26	65
7	白神崎	Shirakamisaki.	8	33	10	46	16	89	108	66	83	39	19	24	108
8	木古內	Kikonai.	—	—	33	12	18	15	48	21	260?	10	2	5	....
9	葛登支岬	Kattojimisaki.	27	22	20	70	80	90	27	26	47	33	25	11	90
10	大野	Ōno.	22	11	1	30	19	28	83	28	29	36	23	12	83
11	七飯	Nanaii.	12	13	8	22	16	28	49	26	47	25	19	10	49
12	函館	Hakodate.	11	17	10	19	14	29	65	26	42	36	24	25	65
13	汐首崎	Shiokubisaki.	27	25	13	30	31	30	59	26	98	44	24	22	98
14	惠山岬	Yesanmisaki.	7	20	5	34	22	52	110	48	52	121	22	34	121
15	臼尻	Usushiri.	10	53	8	23	14	44	100	29	42	104	29	24	104
16	鹿部	Shikabe.	8	21	10	29	24	15	45	16	36	46	19	13	46
17	森	Mori.	9	20	14	38	20	14	45	14	20	56	20	26	56
18	八雲	Yakumo.	—	—	—	—	—	—	46	100	19	....	....	....	....
19	大黒島 +	Daikokushima.+	10	12	10	12	10	17	47	21	30	27	13	16	47
20	白老	Shiraoi.	20	43	4	35	43	12	33	33	....	....	....	....	....
21	苫小牧	Tomokomai.	13	8	6	25	27	17	18	21	35	16	27	18	35
22	門別	Monbetsu.	2	4	2	23	21	10	65	14	10	21	11	....	....
23	下々方	Shimogehō.	17	5	11	40	16	39	52	39	68	28	15	12	68
24	浦河	Urakawa.	19	7	33	79	21	56	75	17	64	54	24	18	79
25	襟裳岬	Yerimomisaki.	4	0	5	36	21	42	75	29	67	34	18	8	75
	第七區 阿哥斯克海	VII. OKHOTSK SEA.													
1	宗谷岬	Sōyamiaki.	8	2	2	11	7	15	10	58	55	24	21	12	58
2	常呂	Tokoro.	—	—	—	—	—	14	....	....	34	106	17	....	....
3	網走	Abashiri.	7	9	5	17	12	29	31	53	48	26	26	5	53
4	斜里	Shari.	3	3	12	35	41	....	20	17	42	20	15	12	....
	區外 州南諸嶋	SOUTHERN ISLANDS.													
1	恒春	Koshun.	—	—	—	—	—	—	—	—	—	—	—	3	—
2	漁翁島	Gyoōtō.	39	....	....	....	39	20	114	4	81	110	13	14	....
3	臺北	Taihoku.	—	—	—	—	—	—	—	—	25	57	28	12	....
4	石垣島	Ishigakishima.	....	43	36	14	50	46	58	53	5	62	83	32	....
5	石垣島	Ishigakishima.	—	—	—	—	—	—	—	—	—	—	—	35	....
6	西里	Nishisato.	—	71	60	10	175	26	39	21	45	82	56	10	....
7	具志川	Gushicha.	—	—	—	—	—	—	—	—	52	58	36	32	....
8	喜屋武	Chan.	39	44	19	23	71	26	26	33	2	85	26	15	85
9	富里	Fuzato.	39	34	29	27	155	32	41	33	52	98	97	32	155
10	那覇	Naha.	26	58	19	32	124	70	71	14	21	76	20	14	124
11	先原崎	Sakibarusaki.	—	—	—	—	—	—	—	—	—	—	—	11	—
12	首里區	Shuri.	25	56	16	39	78	31	91	6	26	57	18	10	91
13	喜名	China.	14	59	22	27	72	91	74	18	29	61	17	10	91

福山港 * Harbour of Fukuyama. 室蘭灣 + Gulf of Muroran.

第二表　明治廿九年最多降水日量 粍
TABLE II. GREATEST AMOUNT OF PRECIPITATION IN A DAY, 1896.

m.m.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	區外州南諸島ノ續	SOUTHERN ISLANDS.—*Continued.*													
14	平敷屋	Hishicha.	27	55	27	34	99	52	72	20	70	74	93	11	99
15	西原	Nishibara.	36	62	22	42	42	49	53	....	42	41	16	....	....
16	東江	Agarie.	18	40	17	45	79	73	81	31	51	66	16	13	81
17	大島	Ōshima.	—	—	—	—	—	—	—	—	—	—	—	22	—

第三表 明治廿九年降水日數
TABLE III. NUMBER OF RAINY DAYS IN 1896.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第一區 西海	I. WESTERN SEA.													
1	大瀬崎	Ōsesaki.	8	12	16	12	17	14	10	9	7	9	8	11	133
2	福江	Fukue.	9	11	14	13	14	19	10	10	6	5	6	10	127
3	古志岐島	Koshikishima.	9	10	10	10	12	13	12	4	4	5	6	16	111
4	平戸	Hirato.	12	16	16	12	17	17	19	12	9	8	6	11	155
5	佐世保	Saseho.	12	15	16	12	16	19	17	13	11	9	9	18	167
6	瀬戸	Seto.	5?	14	13	10	12	20	16	9	7	8	2?	13	129
7	長崎	Nagasaki.	12	15	17	12	16	22	16	12	11	12	8	22	175
8	伊王島	Iwōshima.	9	10	9	7	13	16	16	6	7	7	6	19	125
9	蔭ノ尾島	Kagenōshima.	6	6	7	7	11	14	11	4	7	6	4	13	96
10	口ノ津	Kuchinotsu.	8	10	13	10	14	17	14	8	7	8	5	14	128
11	島原	Shimabara.	9	8	15	9	12	16	11	4	8	9	4	6	111
12	諫早	Isohaya.	8	13	10	10	13	17	15	4	6	9	6	11	122
13	大村	Ōmura.	9?	13	13	11	16	18	17	10	8	10	6	16	147
14	高津原	Takatsubara.	5	8	7	9	13	17	12	5	5	8	6	11	106
15	武雄	Takeo.	9	10	13	11	13	13	4	5	6	3	5	12	104
16	小城	Ogi	10	10	15	11	14	20	14	6	7	6	5	13	131
	筑後川														
17	榎津	Enokitsu.	7	10	9	10	14	21	18	10	11	11	8	15	144
18	久留米	Kurume.	9	12	15	11	14	19	15	9	9	8	7	13	141
19	久留米	Kurume.	5	7	10	11	12	15	13	6	6	6	6	7	104
20	轟木	Todoroki.	10	9	12	9	12	14	14	5	7	7	6	8	113
21	善導寺	Jendōji.	9	9	13	12	10	21	19	11	14	11	8	17	154
22	甘木	Amaki.	8	10	15	11	13	17	16	10	10	10	8	19	147
23	吉井	Yoshii.	9	14	16	13	15	21	19	12	13	14	8	16	170
24	豆田	Mameta.	10	11	18	14	14	20	20	....	11	11	3	7	....
25	宮原	Miyabara.	9	10	13	10	16	19	22	18	14	16	8	13	168
26	福島	Fukushima.	8	10	14	12	15	17	16	10	9	11	8	12	142
27	佐賀	Saga.	9	12	15	13	16	21	16	10	11	12	7	17	159
28	古湯	Furuyu.	13	14	14	12	16	20	18	12	8	10	6	21	164
29	神崎	Kanzaki.	8	9	15	12	16	17	15	7	6	9	8	12	134
30	森	Mori.	9	14	18	12	16	21	20	7	12	14	9	12	164
	矢部川														
31	柳河	Yanagawa.	8	13	12	10	14	18	18	7	8	11	8	13	140
32	黒木	Kuroki.	6	....	9	11	15	18	13	8	7	10	6	11	....
33	三池	Miike.	8	9	14	11	14	16	16	7	9	8	7	9	128
	菊地川														
34	高瀬	Takase.	9	11	17	11	13	18	17	6	10	10	6	11	139
35	山鹿	Yamaga.	—	—	—	—	—	—	—	—	—	—	7	10	—
36	隈府	Waifu.	5	9	8	12	16	16	16	7	7	9	4	11	120
	白川														
37	春日	Kasuga.	4	7	10	10	....	16	12	8	7	10	8	8	....
38	熊本	Kumamoto.	11	9	18	12	16	22	19	12	11	14	9	16	169
39	宮地	Miyaji.	9	9	13	11	16	19	18	11	8	11	8	7	140
40	吉田	Yoshida.	—	—	—	—	—	—	—	12	11	12	9	9	—
41	濱町	Hamamachi.	—	—	—	—	—	—	—	17	12	15	9	18	—
42	御船	Mifune.	9	10	16	12	14	20	20	15	13	10	10	16	165
43	宇土	Udo	—	—	—	—	—	—	—	—	—	—	8	13	....
44	町山口	Machiyamaguchi.	8	12	10	8	13	15	13	5	8	6	6	13	117
45	佐敷	Sashiki.	—	—	—	—	—	—	—	—	—	—	8	12	—
	球摩川														
46	八代	Yatsushiro.	4	9	9	8	15	15	12	8	7	5?	6	6	104
47	人吉	Hitoyoshi	11	11	15	10?	17	21	19	14	10	13	8	15	164
	川内川														
48	東手	Higashite.	14	13	13	12	16	17	18	16	8	10	6	11	154
49	里	Sato.	8	12	13	8	15	15	16	9	8	11	7	11	133
50	加久藤	Kakutō.	5	9	11	10	14	19	16	8	6?	4?	6	11	119
51	郡	Kōri.	14	14	16	13	15	19	16	11	9	13	8	16	164

第三表 明治廿九年降水日數
TABLE III. NUMBER OF RAINY DAYS IN 1896.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第二區 南海	II. SOUTHERN SEA.													
1	鹿兒島	Kagoshima.	13	11	17	12	17	18	20	18	8	12	10	15	171
2	中名	Nakana.	5	8	15	17	17	18	13	9	10	9	7	8	136
3	佐多岬	Satanomisaki.	11	10	15	13	18	15	13	7	7	8	8	11	136
4	西方	Nishikata.	6	8	18	17	19	18	13	13	12	8	9	11	152
5	鞍崎	Kurasaki.	5	11	19	22	16	14	16	16	11	9	7	8	154
6	飫肥	Obi.	4	10	15	17	18	20	15	13	9	9	7	8	145
	大淀川														
7	宮崎	Miyazaki.	5	12	17	17	19	20	18	14	12	13	9	11	167
8	高岡	Takaoka.	5	11	16	18	17	19	22	14	11	15	9	9	166
9	都城	Miyakonojō.	6	9	17	16	18	22	17	15	12	12	7	10	161
10	北俣	Kitamata.	8	4	11	14	16	15	17	10	11	10	4	5?	120
11	須木	Suki.	5	8	10	10	16	17	16	7	11	7	6	6	119
12	細野	Hosono.	6	10	12	11	14	13	14	7	10	9	7	7	120
13	大牟田	Ōmuda.	6	11	14	13	17	17	17	14	11	11	7	7	145
14	田野	Tano.	8	8	12	15	15	14	12	11	9	4?	7	7	117
	佐土原川														
15	村所	Murasho.	6	10	11	15	14	18	16	10	10	9	5	9	133
16	鹿野田	Kanoda.	8	10	12	16	15	12	15	9	11	12	6	9	130
	高鍋川														
17	高鍋	Takanabe.	4	11	17	20	17	17	15	13	13	14	8	9	158
18	神門	Kado	7	11	15	17	16	16	22	14	14	12	7	13	164
19	田代	Tashiro.	2	6	11	10	13	10	12	8	9	5	7	3?	96
20	下福良	Shimofukura.	7	8	11	12	16	11	17	8	10	8	5	9	122
21	細島	Hososhima.	2	7	11	14	15	11	15	7	8	7	5	5?	107
	五箇瀬川														
22	延岡	Nobeoka.	3	9	15	16	18	15	18	11	11	10	6	7	139
23	七折	Nanaori.	7	10	12	17	18	20	21	13	13	14	6	12	163
24	三田井	Mitai.	9	10	15	17	18	22	18	13	14	14	8	14	172
25	三ヶ所	Sangasho.	8	12	17	15	16	17	18	8	13	11	10	11	156
26	馬見原	Mamihara.	11	10	14	13	20	20	19	13	6	8	7	10	151
27	下直見	Shimonaomi.	3	6	10	12	10	12	13	5	9	10	4	6	100
28	佐伯	Saheki.	....	....	....	....	....	....	....	....	....	....	2	3	—
29	八幡濱	Yawatahama.	9	17	15	11	16	17	21	8	15	12	7	15	163
30	宇和島	Uwajima.	11	12	15	15	16	14	18	10	13	13	7	16	160
31	清水	Shimizu.	3	9	14	19	....	10	9	12	13	11	7	7	114
	渡川														
32	中村	Nakamura.	7	8	12	15	18	12	17	11	16	9	6	12	143
33	川崎	Kawasaki.	7	9	13	10	16	12	15	12	13	13	8	13	141
34	田野々	Tanono.	2	5	9	16	14	11	12	7	10	7	9	9	111
35	窪川	Kubokawa.	7	7	14	16	16	13	16	11	15	14	8	9	146
36	檮原	Isohara.	—	—	—	—	—	—	—	—	—	14	8	14	—
37	興野々	Okinono.	12	13	16	15	16	15	20	16	14	14	9	18	178
	仁淀川														
38	伊野	Ino.	2	7	12	15	18	14	16	12	14	10	6	8	134
39	越知	Ochi.	3	7	12	14	15	16	16	14	14	12	7	6	136
40	久主	Kusu.	12	11	16	19	17	13	16	13	14	10	7	17	165
41	久萬町	Kumamachi.	11	17	16	15	17	16	20	13	16	17	11	18	187
42	高知	Kōchi.	6	8	13	17	17	16	19	14	16	16	6	9	157
43	桑尾	Kuwao.	2	6	12	14	16	16	19	11	15	13	7	7	138
44	上野尻	Kaminojiri.	3	5	12	14	16	12	13	19	14	11	6	7	132
45	大栃	Ōdochi.	3	10	13	14	16	16	16	17	14	12	7	8	146
46	田野	Tano.	—	—	—	—	—	—	—	—	—	11	7	6	—
47	津呂	Tsuro.	5	8	10	17	17	15	13	8	12	13	8	8	134
48	日和佐	Hiwasa.	2	7	11	14	16	13	13	8	16	12	7	8	127
	那賀川														
49	富岡	Tomioka.	9	10	13	15	16	14	18	10	16	13	7	9	150
50	和食	Wajiki.	10	10	13	16	16	16	18	12	17	11	8	9	156

第三表　明治廿九年降水日數
TABLE III. NUMBER OF RAINY DAYS IN 1896.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第二區　南海ノ續	II. SOUTHERN SEA.—*Continued.*													
51	小松島	Komatsujima.	2?	7?	5?	11	15?	14	18	11	13	11	6?	8	121
	吉野川														
52	德島	Tokushima.	5	11	11	13	15	16	18	10	16	13	7	11	146
53	東名東	Tōnatō.	6	9	9?	14	14	16	18	11	17	13	7	11	145
54	石井	Ishii.	1?	7?	7?	9	11	12	11?	6	14	12	7	10	107
55	川島	Kawashima.	8	14	15	14	16	17	13	14	16	11	9	15	162
56	市場	Ichiba.	7	10	10	7?	8?	8	13	9?	13	10	4?	7	106
57	脇町	Wakimachi.	7	10	10	9	8	17	15	9	14	12	8	11	130
58	池田	Ikeda.	4	4	4	10	8	11	16	9	14	8	6	5	99
59	本山	Motoyama.	—	—	—	16	17	17	17	12	14	12	7	10	—
60	川井	Kawai.	—	—	—	—	—	16	15	14	14	8	9	8	—
61	南濱	Minamihama.	6	9	9	11	13	15	19	10	16	11	6	11	136
62	小桑島	Kokuwashima.	8	14	12	16	16	17	20	13	16	15	8	14	169
	紀ノ川														
63	和歌山	Wakayama.	7	9	10	14	14	15	17	8	14	11	8	13	140
64	清水	Shimizu.	7	7	9	12	8	13	11	7	11	7	8	13	113
65	野上	Nogami.	10	8	8	12	8	13	12	6	11	11	8	11	118
66	橋本	Hashimoto.	9	9	9	10	11	12	13	7	12	10	7	12	121
67	慶賀野	keikano.	9	8	8	10	10	14	14	7	12	11	7	13	123
68	吉野山	Yoshinoyama.	6	6	5	8	6	14	11	5	10	13	8	10	102
69	柏木	Kashiwaki.	—	—	—	—	—	—	—	—	—	—	—	15	—
70	神野市場	Ainoichiba.	8	10	9	14	11	14	13	11	15	13	8	14	140
71	高野山	Kōyasan.	16	15	10	11	11	15	13	15	12	12	10	15	155
72	東富貴	Higashifuki.	17	16	11	13	8	16	16	12	14	13	7	20	163
	有田川														
73	吉原	Yoshiwara.	13	9	10	15	13	16	12	14	15	14	9	11	151
74	清水	Shimizu.	13	12	11	10	12	16	14	15	14	12	10	16	155
(71)	高野山	Kōyasan.	16	15	10	11	11	15	13	15	12	12	10	15	155
75	湯淺	Yuasa.	15	11	10	15	15	15	12	7	14	12	8	9	143
	日高川														
76	御坊	Gobō.	5	10	10	12	15	16	14	9	15	12	9	6	133
77	高津尾	Takatsuo.	16	15	13	16	17	18	17	12	15	13	11	19	182
78	東	Higashi.	15	14	12	15	16	18	17	14	13	9	9	10	162
79	田邊	Tanabe.	4	10	9	14	16	15	12	9	13	8	9	8	127
80	栗栖川	Kurisukawa.	10	11	10	13	16	17	17	13	11	11	9	10	148
81	安居	Ago.	8	10	14	16	19	20	18	13	15	13	9	9	164
82	潮岬	Shiomisaki.	4	9	12	14	15	14	16	11	15	12	9	8	139
83	樫野崎	Kashinosaki.	4	8	13	13	16	11	15	11	16	12	9	8	136
84	下中	Shimonaka.	5	9	11	17	16	14	14	9	15	12	10	8	140
85	日ノ岬	Hinomisaki.	4	8	12	15	16	16	14	7	16	10	8	9	135
	新宮川														
86	新宮	Shingu.	6	10	12	18	17	17	15	10	17	15	10	7	154
87	本宮	Hongu.	7	10	10	15	14	15	17	10	12	12	9	7	138
88	大沼	Ōnuma.	5	12	10	15	14	15	15	10	13	15	9	9	142
89	木ノ本	Kinomoto.	5	9	11	16	15	16	15	11	16	17	8	9	148
90	尾鷲	Owashi.	4	10	10	16	15	15	14	10	16	14	9	7	140
91	安乘崎	Anorisaki.	3	7	10	11	11	15	12	7	12	12	9	8	117
92	菅島	Sugashima.	6	11	10	13	11	14	12	9	15	13	9	7	130
93	鳥羽	Toba.	8	9	8	13	11	17	15	12	16	12	7	5	133
94	山田	Yamada.	7	10	11	14	11	17	15	11	17	13	8	12	146
	櫛田川														
95	西黑部	Nishikurobe.	6	10	9	17	12	17	13	13	16	17	8	16	154
96	相可	Ōka.	9	11	11	14	12	19	13	10	17	14	8	10	148
97	松坂	Matsusaka.	5	9	9	15	13	14	13	11	15	15	7	10	136
98	久居	Hisai.	5	7	8	14	10	16	13	10	13	14	8	5	123
99	津	Tsu.	12	15	11	15	11	15	17	10	16	16	9	12	159

第三表 明治廿九年降水日數

TABLE III. NUMBER OF RAINY DAYS IN 1896.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第二區 南海ノ續	II. SOUTHERN SEA.—*Continued.*													
100	古河	Furukawa.	7	13	9	14	12	18	13	10	16	15	9	10	146
101	白子	Shiroko.	12	11	12	14	11	15	13	13	15	17	9	9	151
102	龜山	Kameyama.	10	10	7	15	11	13	14	12	12	12	6	10	132
103	四日市	Yokkaichi.	8	8	11	14	11	16	14	12	13	12	9	13	141
104	四日市	Yokkaichi.	10	8	10	12	11	15	12	11	....	....	....	9	....
	員辨川														
105	桑名	Kuwana.	8	10	6	13	7	14	12	9	....	....	....	....	....
106	桑名	Kuwana.	7	6	10	13	8	13	12	11	12	13	8	8	121
107	楚原	Sohara.	16	16	12	17	15	18	16	16	16	16	11	16	185
	木曾川														
(105)	桑名	Kuwana.	8	10	6	13	7	14	12	9	....	....	....	....	....
(106)	桑名	Kuwana.	7	6	10	13	8	13	12	11	12	13	8	8	121
108	前ケ須	Maigasu.	11	12	13	17	11	17	17	13	15	16	8	15	165
109	津島	Tsushima.	14	10	13	16	11	20	16	16	15	15	9	16	171
110	笠松	Kasamatsu.	15	11	12	17	11	19	14	16	9	15	9	11	159
111	犬山	Inuyama.	8	10	12	15	10	18	15	15	13	14	10	15	155
112	太田	Ōta.	12	10	10	15	9	17	15	13	11	14	7	11	144
113	中津川	Nakatsugawa.	12	9	8	13	7	9	9	7	8	9	6	5	102
114	長野	Nagano.	16?	12	8	13	8	....	....	....	....	....	....	....	....
115	福島	Fukushima.	10	12	10	16	10	19	20	14	13	15	8	18	165
116	吾妻	Azuma.	11	12	6	13	8	....	....	....	....	....	....	....	....
117	王瀧	Ōtaki.	13	10	10	15	10	....	....	....	....	....	....	....	....
118	西野	Nishino.	18	13	8	13	8	....	....	....	....	....	....	....	....
119	高須	Takasu.	12	8	11	16	10	15	13	8	....	....	7	7	....
120	高田	Takata.	12	9	11	14	10	16	15	18	13	12	10	17	157
121	大垣	Ōgaki.	17	7	11	16	11	17	14	....	....	....	9	8	....
122	垂井	Tarui.	20	12	14	14	10	16	16	16	13	12	9	12	164
123	三輪	Miwa.	23	11	13	18	9	18	16	14	10	13	9	11	165
124	德山	Tokuyama.	26	15	17	15	11	18	16	13	13	9	11	21	185
125	岐阜	Gifu.	19	11	14	16	11	20	19	16	13	17	9	17	182
126	上有知	Kōzuchi.	13	9	7	14	7	17	16	15	11	10	8	8	135
127	八幡	Hachiman.	18	14	13	15	10	20	19	14	10	13	9	18	173
128	白鳥	Shirotori.	20	16	13	16	9	18	16	14	12	14	12	17	177
129	北方	Kitakata.	19	10	11	17	10	17	18	9	14	15	9	15	164
130	長嶺	Nagamine.	22	13	10	11	8	14	14	11	8	11	9	13	144
131	高富	Takatomi.	16	10	10	17	10	21	17	17	12	13	9	10	162
132	葛原	Kuzuhara.	23	13	14	18	10	19	19	13	11	15	11	20	186
133	御嵩	Mitake.	13	9	10	16	11	18	16	16	14	11	6	7	147
134	金山	Kanayama.	11	10	5	13	8	15	16	14	13	14	7	13	139
135	森	Mori.	15	14	11	16	9	21	21	19	14	16	11	18	185
136	關ケ原	Sekigahara.	—	—	—	—	—	—	8	14	15	14	10	19	—
137	稻澤	Inasawa.	10	11	11	15	10	19	13	12	13	16	9	14	153
138	島	Shima.	9	10	12	15	11	16	13	13	12	14	9	13	147
	庄內川														
139	下小田井	Shimo-odai.	7	9	12	14	10	18	14	12	13	15	9	9	142
140	勝川	Kachikawa.	10	9	13	17	10	19	18	13	16	15	9	13	162
141	高山	Takayama.	11	10	9	17	11	19	13	14	12	12	7	12	147
142	布袋野	Hoteno.	8	9	11	15	10	17	13	14	12	15	10	14	148
143	瀨戸	Seto.	9	12	11	18	11	21	18	15	14	15	9	15	168
144	名古屋	Nagoya.	7	9	11	17	11	19	18	14	15	15	10	13	159
145	熱田	Atsuta.	8	12	11	15	11	19	16	12	13	14	10	10	151
146	大野	Ōno.	8	9	10	14	11	16	13	10	14	13	8	8	134
147	小鈴谷	Kosuzuya.	—	—	—	16	12	18	14	13	13	15	9	9	—
148	豊濱	Toyohama.	10	10	10	14	12	16	15	12	14	15	9	12	149
149	半田	Handa.	8	9	9	16	11	16	12	10	15	15	9	10	140
150	知立	Chiriū.	7	11	11	16	12	20	14	12	16	15	9	12	155
	矢作川														
151	西尾	Nishio.	11	9	9	15	11	17	16	11	15	16	9	12	151
152	岡崎	Okazaki.	7	11	12	17	12	17	17	14	15	17	11	11	161
153	擧母	Koromo.	9	11	12	17	12	21	16	12	16	16	11	15	168
154	上	Kami.	12	8	7	13	9	15	12	12	11	12	4	8	123
155	龜穴	Kameana.	10	11	10	16	14	18	17	17	13	17	11	10	164

第三表　明治廿九年降水日數
TABLE III. NUMBER OF RAINY DAYS IN 1896.

第二區　南海ノ續　II. SOUTHERN SEA.—*Continued.*

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May.	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	矢作川ノ續														
156	足助	Asuke.	7	11	9	17	11	18	15	17	12	15	9	12	153
157	一色	Isshiki.	8	8	10	14	12	17	13	10	14	14	9	9	138
158	佐久島	Sakushima.	8	8	9	14	11	15	12	10	13	13	8	8	129
159	御油	Goyu.	8	8	8	15	10	20	14	12	16	15	7	7	140
	豊川														
160	豊橋	Toyohashi.	7	8	10	15	10	18	11	11	15	15	8	7	135
161	富岡	Tomioka.	8	12	9	17	11	18	19	14	15	16	9	13	161
162	新城	Shinshiro.	8	10	8	15	10	20	14	14	13	13	8	8	141
163	田口	Taguchi.	13	12	10	16	12	18	18	18	15	15	10	13	170
164	清岳	Kiyo-oka.	9	11	10	16	11	21	15	15	15	16	12	10	161
165	堀切	Horikiri.	7	7	10	13	12	15	14	12	13	14	9	8	134
166	濱松	Hamamatsu.	6	9	9	16	13	17	14	13	16	12	10	9	144
	天龍川														
167	二俣	Futamata.	9	8	7	16	10	13	13	14	15	13	8	7	133
168	下田	Shimoda.	13	13	10	16	10	21	18	16	13	15	9	12	166
169	飯田	Iida.	10	7	6	10	9	12	16	12	13	13	8	—	
170	伊那	Ina.	5	10	5	12	8	12	17	10?	8	12	6	7?	112
171	上諏訪	Kamisuwa.	7	10	6	15	9	17	16	11	14	15	5	10	135
172	御前崎	Omaisaki.	7	7	8	14	10	9	9	9	11	12	10	7	113
173	島田	Shimada.	4	8	9	17	12	17	15	8	17	11	6	6	130
174	靜岡	Shizuoka.	1	5	5	7	8	4?	4?	4	7?	7?	....	....	....
	富士川														
175	岩淵	Iwabuchi.	3	9	7	15	10	12	12	9	16	9	6	5	113
176	横根中區	Yokonechūku.	3	2	7	9	....	....	9	....	....	10	5	7	....
177	印澤	Inzawa.	....	....	....	....	....	....	19	12	15	13	5	7	....
178	鰍澤	Kajikazawa.	—	—	—	—	—	—	12	8	8	8	5	5	....
179	住吉	Sumiyoshi.	6	9	10	17	....	....	17	18	14	13	4	7	....
180	鵜飼	Ugai.	—	—	—	—	—	—	14	....	....	....	....	6	....
181	駒飼	Komagai.	—	—	—	—	—	—	10	7	....	9	4	5	....
182	小原西分	Koharanishibun.	—	—	—	—	—	—	19	13	8	13	5	7	....
183	釜和原	Kamawahara.	3	9	7	....	....	....	15	13	9	14	5	....	....
184	甲府	Kōfu.	5	9	10	11	11	21	16	12	14	13	4	6	132
185	龍王	Riuō	—	—	—	—	—	—	15	12	11	12	5	7	....
186	御嶽	Ontake.	4	8	6	13	....	....	17	13	13	11	....	9	....
187	韮崎	Nirasaki.	—	—	—	—	—	—	18	11	15	14	6	7	....
188	若神子	Wakamiko.	2	9	8	11	....	....	12	12	10	11	4	6	....
189	白須	Shirasu.	—	—	—	—	—	—	12	11	11	12	4	4	....
190	湯島	Yushima.	5	10	10	11	....	....	10	9	9	11	4	7	....
191	西湖	Nishinoumi.	....	7	9	14	....	....	12	16	18	15	7	9	....
192	古關	Koseki.	—	—	—	—	—	—	5	....	6	1?	3	3	....
193	大宮	Ōmiya.	—	—	—	—	12	17	13	11	16	13	7	7	—
194	長濱	Nagahama.	4	8	9	14	....	....	13	16	18	12	8	7	....
195	谷村	Yamura-	4	11	11	12	....	....	19	13	17	13	8	8	....
196	猿橋	Saruhashi.	—	—	—	—	—	—	9	8	13	13	6	4	....
	狩野川														
197	沼津	Numatsu.	4	13	12	17	13	17	16	11	17	16	11	10	157
198	本立野	Hontachino.	3	4?	4?	11	8	8?	9	5	9	8	5	3?	77?
199	長津呂	Nagatsuro.	—	—	—	—	12	12	13	8	16	12	10	9	—
200	石室崎	Irosaki.	5	11	11	12	11	12	10	6	16	12	7	7	120
201	神子元島	Mikomotoshima.	6	9	10	11	10	10	7	5	12	13	6	3	102
202	熱海	Atami.	5	11	11	18	16	15	15	7	16	14	12	9	149
203	城ヶ島	Jōgashima.	8	12	15	14	10	11	13	7	18	14	13	8	143
204	劍崎	Tsurugisaki.	5	9	12	10	10	8	11	6	15	12	7	6	111
205	觀音崎	Kanonsaki.	4	8	12	12	11	10	13	7	15	12	8	8	120
206	横須賀	Yokosuka.	4	10	13	13	11	13	14	8	15	15	8	8	132
207	横濱	Yokohama.	4	11	10	13	12	16	17	7	18	13	11	8	140
208	横濱	Yokohama.	—	—	—	—	—	—	—	—	—	16	9	8	—

第三表　明治廿九年降水日數
TABLE III. NUMBER OF RAINY DAYS IN 1896.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第二區 南海ノ續	II. SOUTHERN SEA.—*Continued.*													
	多摩川														
209	羽田	Haneda.	4	12	11	14	12	18	16	12	17	14	9	9	148
210	大師河原	Daishigawara.	2	10	12	13	12	11	12	9	15	13	10	....	....
211	八王子	Hachiōji.	2	7	4	8	9	11	14	8	13	11	5	6	98
212	千ヶ瀬	Chigase.	3	6	4	6	8	11	15	9	13	11	4	3	93
213	品川	Shinagawa.	4	9	9	17	14	13	13	9	16	14	9	7	134
	荒川														
214	東京	Tōkiō.	5	15	12	15	12	18	14	12	14	15	8	9	149
215	浦和	Urawa.	3	8	5	9	9	11	12	10	12	10	7	3	99
216	熊谷	Kumagaya.	3	8	7	11	12	14	21	9	14	11	4	1	115
217	熊谷	Kumagaya.	—	—	—	—	—	—	—	—	—	—	—	4	—
218	大宮鄉	Ōmiyagō.	1	5	4	8	13	15	18	14	16	11	5	3	113
219	飯能	Hannō.	4	10	9	12	12	16	19	11	15	12	5	6	131
220	野島崎	Noshimasaki.	6	9	13	11	14	11	13	5	15	15	10	7	129
221	犬吠崎	Inuboyesaki.	8	11	15	15	13	13	15	7	18	19	10	13	157
	利根川														
222	銚子	Chōshi.	7	13	16	13	12	14	12	8	14	18	10	13	150
223	關宿	Sekiyado.	4	12	9	15	14	15	15	10	14	13	5	6	132
224	前橋	Mayebashi.	2	7	4	10	9	16	16	13	15	13	3	6	114
225	前橋	Mayebashi.	—	—	—	—	—	—	—	—	—	—	—	6	—
226	澁川	Shibukawa.	—	—	—	—	—	—	—	—	—	—	5	5	—
227	沼田	Numada.	10	14	9	11	10	11	20	14	19	12	5	5	140
228	沼田	Numada.	—	—	—	—	—	—	—	—	—	—	6	6	—
229	小日向	Kobinata.	—	—	—	—	—	—	—	—	—	—	14	19	—
230	下舘	Shimodate.	4	11	9	14	11	16	17	9	15	12	5	5	128
231	眞岡	Maoka.	4	10	5	8	10	14	13	7	9	7	5	4	96
232	東鄉	Higashigō.	5	10	12	12	—	—	—	—	—	—	—	—	—
233	宇都宮	Utsunomiya.	4	12	10	15	12	19	19	17	18	13	6	6	151
234	鹿沼	Kanuma.	3	9	7	13	16	14	20	17	18	13	6	5	141
235	栃木	Tochigi.	3	10	8	13	12	19	22	19	19	14	5	4	148
236	佐野	Sano.	3	6	4	6	9	10	9	11	8	4	2	1	73
237	舘林	Tatebayashi.	—	—	—	—	—	—	—	—	—	—	2	5	—
238	足利	Ashikaga.	2	5	8	9	4	12	9	14	14	12	4	2	95
239	太田	Ōta.	—	—	—	—	—	—	—	—	—	—	3	2	—
240	桐生	Kiriu.	—	—	—	—	—	—	—	—	—	—	7	3	—
241	花輪	Hanawa.	—	—	—	—	—	—	—	—	—	—	5	6	—
242	伊勢崎	Isezaki.	—	—	—	—	—	—	—	—	—	—	3	3	—
243	萬塲	Manba.	—	—	—	—	—	—	—	—	—	—	5	5	—
244	藤岡	Fujioka.	—	—	—	—	—	—	—	—	—	—	3	1	—
245	富岡	Tomioka.	—	—	—	—	—	—	—	—	—	—	4	1	—
246	下仁田	Shimonita.	—	—	—	—	—	—	—	—	—	—	4	5	—
247	高崎	Takasaki.	—	—	—	—	—	—	—	—	—	—	4	2	—
248	安中	Annaka.	—	—	—	—	—	—	—	—	—	—	3	3	—
249	三ノ倉	Sannokura.	—	—	—	—	—	—	—	—	—	—	3	3	—
250	須賀川	Sukagawa.	—	—	—	—	—	—	—	—	—	—	7	13	—
251	中之條	Nakanojō.	—	—	—	—	—	—	—	—	—	—	3	5	—
252	草津	Kusatsu.	—	—	—	—	—	—	—	—	—	—	10	13	—
	第三區 東海	III. EASTERN SEA.													
	那珂川														
1	水戸	Mito.	6	10	10	14	11	14	14	8	11	11	7	4	120
2	矢板	Yaita.	6	6	10	9	9	14	21	12	16	12	4	5	124
3	太田原	Ōtawara.	5	10	8	10	11	17	19	14	16	11	4	5	130
4	大子	Daishi.	6	10	8	9	9	16	13	12	14	10	3	4	114
5	棚倉	Tanagura.	8	10	10	12	9	14	14	15	15	8	6	1	122
6	平	Taira.	2	4	3	4	4	9	6	4	5	7	5	4	57
7	小濱	Obama.	3	6	4	4	6	7	6	9	7	8	2	2	64
8	中村	Nakamura.	3	3	1	2	5	8	7	4	11	4	3	1	52
	阿武隈川														
9	角田本鄉	Kakudahongō.	—	11	8	9	7	13	13	11	18	9	8	5	—

第三表 明治廿九年降水日數

TABLE III. NUMBER OF RAINY DAYS IN 1896.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第三區 東海ノ續	III. EASTERN SEA.—*Continued.*													
	阿武隈川ノ續														
10	桑折	Kōri.	16	16	9	4	7	16	14	15	12	9	7	13	138
11	福島	Fukushima.	15	14	12	12	9	19	18	18	14	12	9	12	164
12	二本松	Nihonmatsu.	4	7	5	4	4	11	8	12	9	2	4	5	75
13	三春	Miharu.	12	11	5	8	6	8	7	9	10	5	6	9	96
14	郡山	Kōriyama.	15	12	5	6	2	9	7	4	6	3	4	4	77
15	須賀川	Sukagawa.	12	12	10	12	7	10	11	13	16	11	5	9	128
16	石川	Ishikawa.	6	10	6	8	9	8	8	4	11	7	4	3	84
17	白河	Shirakawa.	7	12	6	7	8	15	17	14	13	10	5	6	120
18	大河原	Ōkawara.	6	9	....	3	4	11	8	6	11	2	5	11	....
	名取川														
19	長町	Nagamachi.	8	9	6	6	11	13	12	14	16	11	6	7	119
20	仙臺	Sendai.	10	14	8	7	11	15	15	13	15	12	7	6	133
21	仙臺	Sendai.	11	18	11	11	12	17	17	18	16	13	10	9	163
22	南ノ目	Minaminome.	14	17	12	9	12	17	20	18	18	9	9	9	164
	鳴瀬川														
23	古川	Furukawa.	14	9	12	5	9	12	12	12	10	10	8	7	120
24	吉岡	Yoshioka.	9	8	8	5	11	12	16	17	15	11	12	—	—
	北上川														
25	石巻	Ishinomaki.	13	12	9	10	14	14	17	10	14	12	9	8	142
26	一ノ關	Ichinoseki.	9	8	6	5	6	8	11	14	11	9	8	10	105
27	水澤	Mizusawa.	13	10	15	8	8	11	13	15	11	15	16	9	144
28	花巻	Hanamaki.	13	8	6	7	8	7	14	9	11	14	12	10	119
29	盛岡	Morioka.	7	12	10	9	7	11	20	11	11	12	15	9	134
30	涌谷	Wakuya.	—	—	—	9	9	9	10	14	15	15	9	9	—
(23)	古川	Furukawa.	14	9	12	5	9	12	12	12	10	10	8	7	120
31	佐沼	Sanuma.	—	—	—	8	6	7	8	6	10	—	—	—	—
32	築舘	Tsukidate.	10	9	7	4	9	9	12	6	7	6	5	5	89
33	遠野	Tōno.	14	9	5	8	9	10	16	12	13	13	7	11	127
34	金華山	Kinkwasan.	9	12	8	11	10	9	15	9	13	11	8	4	119
35	盛	Sakari.	5	10	8	11	8	8	15	14	14	12	10	9	124
36	宮古	Miyako.	10	17	12	9	9	15	21	19	17	12	11	7	159
37	久慈	Kuji.	4	15	5	6	4	10	16	9	16	10	10	5	110
	馬淵川														
38	八戸	Hachinohe.	5	14	4	2	1	11	15	15	13	12	11	10	113
39	三戸	Sannohe.	—	—	—	8	8	14	15	15	14	14	17	16	—
40	福岡	Fukuoka.	11	16	13	7	5	12	20	17	13	16	16	15	161
41	七戸	Shichinohe.	10	10	9	6	3	9	16	12	9	9	14	10	117
42	茂寄	Moyori.	5	2	7	14	—	—	—	—	—	—	—	—	—
43	下帯廣	Shimo-obihiro.	8	10	13	13	11	20	24	24	21	16	11	7	178
44	大津	Ōtsu.	6	6	5	8	—	—	—	—	—	—	—	—	—
45	白糠	Shiranuka.	—	—	—	9	3	5	8	14	15	6	9	4	—
46	鳥取	Tottori.	3	5	3	—	—	—	—	—	—	—	—	—	—
47	舌辛	Shitakara.	9	5	14	13	14	12	11	19	18	10	—	5	—
	釧路川														
48	釧路崎	Kushirozaki.	7	7	6	10	10	12	10	17	16	10	9	6	120
49	標茶	Shibecha.	15	9	14	12	12	20	18	19	17	15	11	8	170
50	大黒島*	Daikokushima.*	13	11	10	10	9	12	11	16	12	8	12	4	128
51	霧多布	Kiritafu.	8	—	—	6	6	11	13	7	10	13	9	6	—
52	落石崎	Otchishisaki.	10	11	12	8	9	10	11	11	12	13	9	7	123
53	納沙布崎	Nashafsaki.	8	10	11	7	8	10	14	8	10	11	9	7	113
54	辨天島	Benteushima.	11	13	13	5	10	10	10	9	11	13	9	10	124
55	根室	Nemuro.	10	11	11	10	10	12	16	14	15	14	12	10	145
56	別海	Bekkai.	1	0	2	7	10	11	9	6	11	12	6	8	83
57	計羅武威岬	Keramuimisaki.	8	8	7	6	10	12	12	14	13	18	12	9	129
58	泊	Tomari.	—	—	—	—	—	—	7	5	7	8	8	—	—
59	標津	Shibetsu.	6	10	4	10	6	13	10	7	10	10	—	—	—
60	蘂取	Shibetoro.	28	19	18	11	14	9	9	11	19	24	24	28	214

厚岸灣 * Gulf of Akkeshi.

第三表 明治廿九年降水日數
TABLE III. NUMBER OF RAINY DAYS IN 1896.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第四區 甲	內海 南岸 IV. INLAND SEA. a. S. Coast.													
1	部崎	Hesaki.	10	11	12	13	18	17	12	5	8	9	7	23	145
2	行事	Gioji.	8	10	13	12	14	20	9	9	10	10	6	16	137
3	椎田	Shiita.	—	—	—	—	—	—	12	8	11	11	7	9	—
4	戸原	Tohara.	3	6	9	7	11	16	11	5	6	7	4	7	92
5	中津	Nakatsu.	3	5	7	11	....	15	11	2	....	6	6	8	....
6	四日市	Yokkaichi.	5	9	14	14	12	16	13	5	11	12	6	16	133
7	龍王	Riuō.	11	14	17	15	16	19	18	8	14	13	....	11	....
8	玉津	Tamatsu.	5	7	13	11	12	14	16	6	11	9	7	13	124
9	鶴川	Tsurukawa.	3	10	10	11	14	16	10	4	8	8	9	15	118
10	日出	Hide.	7	9	11	8	15	12	12	2	9	11	5	6	107
	大分川														
11	大分	Oita.	5	9	16	14	15	15	17	9	13	13	7	9	142
12	高岡	Takaoka.	4	4	7	7	13	15	11	5	12	5	6	5	94
	大野川														
13	市塲	Ichiba.	4	10	12	11	14	14	12	6	9	11	5	8	116
14	竹田	Takeda.	3	8	9	10	12	9	10	8	9	10	7	3	98
15	臼杵	Usuki.	2	2	7	13	11	14	17	9	9	9	6	9	108
	肱川														
16	大洲	Ōzu.	9	16	15	12	16	17	21	7	15	14	6	16	164
17	卯ノ町	Unomachi.	12	15	16	14	17	19	21	10	15	12	7	17	175
18	郡中	Gunchu.	6	11	11	15	16	17	19	11	15	16	8	13	158
19	松山	Matsuyama.	12	10	15	15	16	18	19	8	14	16	8	14	165
20	三津	Mitsu.	6	10	13	15	16	18	20	9	15	16	9	13	160
21	釣島	Tsurishima.	5	9	16	15	17	18	18	9	13	14	8	9	151
22	大下島	Ōgeshima.	4	8	11	13	15	15	14	5	12	11	6	8	122
23	波止濱	Hashihama.	5	9	14	16	15	15	17	7	14	15	8	10	145
24	今治	Imaharu.	9	11	13	16	15	15	17	7	15	12	9	10	149
25	西條	Saijo.	6	10	15	16	15	17	18	6	17	14	9	14	157
26	多喜濱	Takihama.	7	10	13	16	15	16	17	6	16	16	8	12	152
27	川ノ江	Kawanoye.	11	14	15	17	14	14	17	7	15	14	9	16	163
28	大野原	Ōnohara.	....	....	....	....	10	11	13	6	....	....	8	....	....
	財田川														
29	觀音寺	Kwanonji.	....	5?	9?	15?	12	14	14?	7	15?	....	5?	....	....
30	財田上	Takaradakami.	8	14	16	17	17	16	19	12	17	14	10	15	175
31	七個	Shichika.	6	12?	14	15	12	16	16	12	16	12	7	14	152?
32	大濱浦	Ōhamaura.	5	10?	12	17?	12?	12	15	6	13	11	9	10	132?
33	多度津	Tadotsu.	7	14	14	16	14	17	18	10	14	15	9	14	162
34	岡田下	Okadashita.	7	12	17	16	16	17	20	12	16	14	11	12	170
35	琴平	Kotohira.	8	13	14	15	14	16	17	10	15	9?	7	10?	148?
36	丸龜	Marugame.	5	11	13	....	....	....	....	....	....	....	....	....	....
37	宇多津	Udatsu.	8	13	14	17	15	17	21	9	14	13	6	14	161
38	坂出	Sakaide.	5	9?	13?	16	17	18	18	9	14	13	9	10	151?
39	坂出	Sakaide.	5	12?	14	....	....	....	....	....	....	....	....	....	....
40	新名	Shinmii.	5	9	15	12?	13	16	16	10	13	....	12	11	....
41	扮所西	Sogishonishi.	11	10	14	16	14	16	18	11	16	14	10	13	163
42	安原下	Yasuharashimo.	12	13	15	14	14	17	19	11	17	11	12	13	168
43	高松	Takamatsu.	6	10?	12?	16	12	15	16	7	15	12	10	10	141?
44	西潟元	Nishikatamoto.	6	10	13	15	14	16	16	8	15	12	7	11	143
45	志度	Shido.	5	7?	11?	....	....	....	....	....	....	....	....	....	....
46	長尾西	Nagaonishi.	6	14	15	17	13	14	17	8	14	10	6	12	146
47	土庄	Tonoshō.	4	7?	10	16	13	14	12?	6	12	12	8	10	124?
48	鍋島	Nabeshima.	5	10	14	15	15	15	16	6	13	13	11	10	143
49	男木島	Otokogishima.	4	8	11	14	12	15	14	5	14	12	6	9	124
50	松原	Matsubara.	9	11	14	17?	15	16	20	14	15	14	7	12	164
51	江崎	Yesaki.	4	10	9	14	14	14	12	9	12	13	7	12	130
52	苫ヶ島	Tomogashima.	7	8	13	15	13	14	12	8	14	10	8	11	133
	第四區 乙	內海ノ續 北岸 IV. INLAND SEA.—*Continued.* b. N. Coast.													
1	壇ノ浦	Dannoura.	13	13	14	13	17	18	16	7	9	11	7	18	156
2	豊浦	Toyora.	14	16	14	14	17	18	18	9	9	12	10	25	176

第三表　明治廿九年降水日數
TABLE III. NUMBER OF RAINY DAYS IN 1896.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第四區 內海ノ續 乙 北岸ノ續	IV. INLAND SEA.—Continued. b. N. Coast.-Continued.													
	木屋川														
3	上保木	Kamiboki.	15	16	14	13	13	16	14	8	8	10	9	21	157
4	船木	Funaki.	14	11	16	11	15	10	7	5?	5	7	4?	21	126
5	西須惠	Nishisui.	13	13	16	11	16	21	....	7	7	7	....	....	....
	厚東川														
6	太田	Ōta.	16	18	18	13	17	19	13	9	9	11	10	24	177
7	嘉萬上郷	Kamakamigō.	18	18	16	17	17	18	18	7	....	15	13	23	....
	椹野川														
8	下郷	Shimogō.	13	15	14	11	17	18	14	7	6	11	....	....	....
9	山口	Yamaguchi.	16	17	16	13	17	18	17	11	8	12	10	20	175
10	仁保中郷	Nihonakagō.	18	13	14	12	15	17	20	13	9	10	12	17	170
	佐波川														
11	野谷	Noya.	....	....	....	....	....	....	....	....	10	4	....	....	....
12	三田尻	Mitajiri.	11	11	12	13	17	18	14	7	7	12	7	16	145
13	濱方	Hamakata.	10	9	13	12	17	18	13	6	8	11	....	....	....
14	德山	Tokuyama.	10	11	13	13	16	16	16	....	....	....	....	....	....
15	八代	Yatsushiro.	11?	11	12	12	15	17	16	3	7	12	6	....	....
16	下久原	Shimokubara.	11	11	12	12	13	19	11	8	7	8	....	5	....
17	室積	Murotsumi.	6	10	12	15	16	15	14	5	10	9	7	8	127
18	上ノ關	Kaminoseki.	8	13?	15	14	16	18	17	6	....	13	8	15	....
19	東屋代	Higashiyashiro.	3?	....	....	....	15	15	....	....	....	....	....	....	....
20	和田	Wada.	5	9	10	13	15	....	....	....	....	....	....	....	....
	錦川														
21	岩國	Iwakuni.	5	9	11	10	13	17	13	5	7	10	7	10	117
22	須々萬本郷	Susumahongō.	13	12	12	....	....	....	....	....	....	....	....	....	....
23	鹿野上	Kanokami.	12	13	16	12	13	16	18	8	9	12	9	18	156
24	宇佐郷	Usagō.	....	....	....	....	....	....	....	13	11	....	....	....	....
25	大竹	Ōtake.	—	5	5?	7	8	8?	4?	3	4	7	6	7	....
26	津田	Tsuda.	12	14	13	15	16	18	17	8	10	14	9	13	159
27	廿日市	Hatsukaichi.	7	8	6	13	14	17	10	5	4	8	4	10	106
	太田川														
28	廣島	Hiroshima.	10	14	12	15	16	18	17	9	11	13	8	9	152
29	祇園	Gion.	—	—	—	15	14	17?	....	....	....	....	....	....	....
30	可部	Kabe.	13	10	11	13	14	17	13	9	8	13	6	10	137
31	加計	Kake.	19	12	19	13	11	17	16	9	9	11	11	21	168
32	井原	Ihara.	2	8	9	14	10	15	10	5	?	8	1	7	....
33	戸河內	Togauchi.	17	15	17	11	14	18	16	6	9	13	13	11	160
34	東八幡	Higashiyawata.	—	—	—	3	10	17	13	11	9	8	9	6?	....
35	政所	Seisho.	—	—	—	5	12	15	17	15	10	15	13	16	....
36	吉浦	Yoshiura.	....	....	8	14	15	16	14	5	13	11	5	7	....
37	吳	Kure.	7	15	11	15	15	18	16	8	14	12	6	9	146
38	南方	Nanhō.	—	—	—	—	14	17	17	7	12	10	6	9	—
39	西條	Saijō.	11	14	14	13	14	18	18	10	12	12	6	11	153
40	竹原	Takehara.	10	11	13	14	15	17	17	11	13	13	8	13	155
41	大久野島	Ōkunoshima.	5	9	12	15	14	14	13	9	12	10	7	10	130
42	忠海	Tadanomi.	7	9	12	14	12	14	15	7	11	10	7	10	128
43	戸野	Tono.	3	11	11	12	9	16	15	8	8	10	7	7	117
44	乃美	Nomi.	—	15	—	12	10	18	12	—	4	10	4	4	....
45	尾道	Onomichi.	7	10	10	15	14	15	13	9	14	13	6	7	133
46	松永	Matsunaga.	5	7	11	14	13	16	16	9	12	....	5	8	....
47	百貫島	Hiakkwanshima.	4	9	11	14	13	15	12	5	10	10	6	8	117
48	鞆	Tomo.	—	—	6	9	11	12	16	7	11	11	9	8	....
	蘆田川														
49	福山	Fukuyama.	5	8	9	13	13	16	13	7	11	14	9	9	127
50	府中市	Fuchuichi.	7	9	11	13	14	15	16	8	10	10	8	8	129
51	甲山	Kōzan.	—	—	12	14	14	17	18	8	8	9	8	7	....
52	市村	Ichimura.	—	—	—	—	11	17	13	9	9	8	6	10	....

第三表 明治廿九年降水日數
TABLE III. NUMBER OF RAINY DAYS IN 1896.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第四區 內海ノ續 乙 北岸ノ續	IV. INLAND SEA.—*Continued.* b. *N. Coast.-Continued.*													
	蘆田川ノ續														
53	江木	Yeki.	4	8	9	11	11	15	13	7	8	9	2	6	103
54	東中條	Higashi-nakajō.	—	—	—	—	—	16	14	9	13	10	8	11	—
55	笠岡	Kasaoka.	5	7	10	15	12	16	14	7	12	11	7	10	126
56	玉島	Tamashima.	2	7	10	15	13	16	14	6	13	9	7	9	121
	高梁川														
57	倉敷	Kurashiki.	4	8	10	16	13	16	13	7	12	10	7	9	125
58	岡田	Okada.	3	8	10	15	14	16	15	7	12	9	8	9	126
59	高梁	Takahashi.	7	10	11	14	14	15	17	7	12	11	8	11	137
60	新見	Niimi.	11	16	16?	14	13	15	16	5	10	11	7	18	152
61	西江原	Nishiebara.	6	7	10	15	13	16	13	8	13	12	9	9	131
62	東城	Tōjō.	—	—	—	—	—	—	15?	10	14	14	11	22	—
63	油木	Yuki.	—	—	—	—	12	19	16	9	11	11	10	16	—
64	原古才	Harakosai.	3	8	10	15	14	19	17	6	14	11?	7?	9	133
65	味野	Ajino.	5	9	13	15	13	17	15	6	13	11	10	11	138
66	東野崎	Higashinosaki.	4	10	12	15	15	17	14	6	14	13	8	10	138
	旭川														
67	下出石	Shimoizuishi.	5	11	13	16	14	18	14	7	14	13	8	10	143
68	岡山	Okayama.	5	11	14	15	14	19	15	6	12	12	8	10	141
69	金川	Kanagawa.	5	10	10	17	14	17	15	8	13	11	8	10	138
70	下弓削	Shimoyuge.	8	10	9	15	13	17	13	9	10	11	8	10	133
71	勝山	Katsuyama.	10	9	13	13	12	14	12	7	9	9	10	17	135
72	湯本	Yumoto.	9	11	12	12	10	14	12	8	9	10	16	15	138
73	西輕部	Nishikarube.	5	11	10	16	14	19	13	7	13	13	8	11	140
	吉井川														
74	西大寺	Saidaiji.	3	9	10	16	14	16	12	6	12	10	7	10	125
75	周匝	Susai.	5	9	9	16	13	....	....	....	....	....	....	....	....
76	津山	Tsuyama.	11	12	10	14	12?	16	16	8	12	11	8	10	140
77	倉敷	Kurashiki.	4	9	10	14	12?	16	16	4?	12	9?	7	11	124
78	勝間田	Katsumada.	10	11	10	15	13	18	13	8	12	11	9	10	140
79	西片上	Nishikatakami.	5	10	10	16	14	16	13	8	15	11	7	10	135
	千種川														
80	尾崎	Osaki.	6	10	8	14	14	18	14	10	11	13	6	10	134
81	大持	Daimochi.	2	8	5	15	11	17	13	6	12	9	8	7	113
82	佐用	Sayō.	3	8	6	13	8	15	13	6	10	10	8	10	110
	揖保川														
83	龍野	Tatsuno.	5	10	8	11	7	15	11	4	10	7	5	7	100
84	安積	Azumi.	3	8	7	12	11	15	12	7?	11	9	8	7	110
	市川														
85	西田原	Nishitawara.	2	8	8	15	13	17	13	8	11	12	8	9	124
86	生野	Ikuno.	5	9	8	3	8	8?	12	6	9	9	7	9	93
87	大鹽	Ōshio.	4	11	9	15	15	16	13	9	12	11	8	9	132
	加古川														
88	加古川	Kakogawa.	1	6	5	8	7	8	8	5	11	8	5	6	78
89	佐治	Saji.	12	12	11	12	10	18	19	9	10	12	10	11	146
90	篠山	Shinoyama.	15	17	18	14	11	20	21	12	13	19	11	19	190
91	和田岬	Wadanomisaki.	5	7	9	12	10	16	12	7	11	11	7	10	117
92	神戶	Kōbe.	—	—	—	—	—	—	—	—	—	—	—	10	—
	池田川														
93	池田	Ikeda.	5	7?	7	14	....	10?	....	....	....	....	....	....	....
94	宿野	Shikuno.	4?	5?	5?	12?	11	12?	11?	6	11	9	6?	5	97?
95	地黃	Jiō.	7	10	10?	15?	12	17	14	9	14	11	8	10?	137?

第三表 明治廿九年降水日數
TABLE III. NUMBER OF RAINY DAYS IN 1896.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第四區 內海ノ續 乙 北岸ノ續	IV. INLAND SEA—*Continued.* b. *N. Coast.-Continued.*													
	澱川														
96	本西島	Hentorishima.	6	10	9	16?	13	18	12?	10	12	10	9	10	135?
97	天保山	Tenpōsan.	7	10	11	16	10	14	14	7	13	12	8	11	133
98	大阪	Ōsaka.	7	10	9	17	13	18	13	7	12	11	9	12	138
99	大阪	Ōsaka.	7	9	9	16	12	17	13	9	11	8	7	7	125
100	炭屋	Sumiya.	7	10	10	16	13	18	14	12	13	11	9	14	147
101	天王寺	Tennōji	3	6	9	17	7	....	....	....	....	....	9	11	....
102	茨木	Ibaraki.	9	11	11	15	13	17	14	7	9?	10	10	9	135
103	枚方	Hirakata.	4	8	8	13	8	16	14	5	5?	11	10?	5	107
104	向日	Mukō.	8	11	9	14	11	16	16	7	13	12	8	11	136
105	淀	Yodo.	8	9	10	16	11	17	15	12	12	13	9	9	141
106	伏見	Fushimi.	10	9	9	15	11	16	18	11	12	13	8	9	141
107	醍醐	Daigo.	6	10	11	16	11	18	17	10	12	13	8	8	140
108	草津	Kusatsu.	10	10	11	13	12	16	17	12	14	12	9	6	142
109	水口	Minaguchi.	11	8	10	13	11	17	16	13	14	14	13?	9	149
110	八幡	Hachiman.	11	6	10	11	5?	12?	16	10	13	12	9	9?	124
111	愛知川	Ichigawa.	18	20	17	15	12	18	17	16	14?	15	14	17	193
112	山上	Yamakami.	14	17	13	15	12	19	18	15	14	14	16	20	187
113	彥根	Hikone.	22	17	14	16	11	18	19	16	15	16	14	19	197
114	長濱	Nagahama.	21	20	16	17	10	18	20	8?	11?	....	14	20	....
115	木ノ本	Kinomoto.	....	12?	12	14	8	16	19	11	11	15	13	17	....
116	中河內	Nakakawachi.	16	8	5	12	14	17	17	12	14	17	14	14	160
117	今津	Imazu.	24	21	17	14	10	18	18	11	12?	8?	16	23	192
118	比叡山	Hieizan.	13?	11?	11?	15?	12?	18?	17?	16?	13	17	14	14	171
119	大津	Ōtsu.	13	12	10	16	13	19	17	12	13	13	8	13	159
120	田邊	Tanabe.	10	13	12	19	12	18	17	9	14	14	8	14	160
121	木津	Kizu.	5	6	8	17	10	17	14	7	13	12	8	9	126
122	名張	Nabari.	8	10	8	12	7	17	17	12	14	14	7	9	135
123	名張	Nabari.	5	7	7	11	9	18	16	12	13	11	7	12	128
124	上野	Ueno.	4	5	7	15	11	14	12	9	12	14	6	11	120
125	太秦	Uzumasa.	12	12	11	17	13	17	18	11	13	11	9	8	152
126	龜岡	Kameoka.	14	15	15	17	14	17	20	12	16	13	14	14	181
127	園部	Sonobe.	17	21	18	15	11	18	19	14	13	17	14	16	193
128	周山	Shuzan.	18	18	18	15	12	20	19	19	14	15	15	12	195
129	京都	Kioto.	14	16	18	18	14	19	20	15	13	14	15	18	194
130	田中	Tanaka.	11	14	11	17	13	19	18	13	13	12	10	14	165
	大和川														
131	八尾	Yao.	8	8	10	15	12	18	15	7	14	12	8	12	139
132	柏原	Kashiwahara.	7	9	8	14	10	17	16	9	11	11	7	11	130
133	富田林	Tondahayashi.	6	9	7	14	10?	15?	14	6	15?	8	7?	12	123
134	奈良	Nara.	8	9	9	13	6	14	14?	9	14	....	....	....	....
135	初瀨	Hatsuse.	12	11	12	15	11	18	17	13	13	16	7	18	163
136	田原	Tahara.	4	7	9	14	8	16	15	5	10	9	8	8	113
137	御所	Gose.	6	6	7	11	7	15	13	6	12	10	8	17	118
138	堺	Sakai.	7	7	8	16	11	15	14?	6?	15	12	9	8	128
139	長承寺	Chōshōji.	9	9	10	14	11	15	14	9	13	12	8	11	135
140	岸和田	Kishiwada.	9	11	10	16	13	18	17	12	15	11	9	13	154
141	尾崎	Osaki.	....	....	....	11?	11	10?	11?	5?	12	....	....	....	....
142	谷川	Tagawa.	4	10	10	14	12	14?	11?	8	11	9	8	12	123
	第五區 日本海	V. SEA OF JAPAN.													
1	三ツ島	Mitsushima.	1	13	5	13	8	14	14	7	6	8	7	8	104
2	佐須奈	Sasuna.	4	10	9	15	10	15	16	9	6	7	9	12	122
3	嚴原	Itsugahara.	9	10	10	16	15	17	15	11	8	11	8	19	149
4	神崎	Kamisaki.	4	6	6	10	13	11	10	5	4	8	6	8	91
5	武生水	Mushōzu.	13	17	15	16	16	18	14	10	10	11	8	14	162
6	伊萬里	Imari.	9	9	12	7	12	13	10	12	7	7	6	11	115
7	唐津	Karatsu.	12	13	16	10	15	13	21	14	10	8	6	10	148
8	烏帽子島	Yeboshishima.	5	10	9	11	13	13	9	4	3	6	6	10	99
9	前原	Mayebara.	10	....	....	....	....	....	....	8	7	8	7	13	....
10	福岡	Fukuoka.	9	13	15	11	16	18	13	10	8	13	10	21	157
11	二日市	Futsukaichi.	9	8	10	....	....	....	17	11	10	15	8	20	....
12	大川	Okawa.	9	13	11	10	11	18	15	7	10	11	7	20	142
13	東鄉	Tōgō.	10	13	12	11	13	16	15	6	8	9	7	21	141

第三表 明治廿九年降水日數

TABLE III. NUMBER OF RAINY DAYS IN 1896.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第五區 日本海ノ續	V. SEA OF JAPAN.—*Continued.*													
	遠賀川														
14	蘆屋	Ashiya.	....	....	....	....	....	....	....	10	8	13	9	21	....
15	直方	Naokata.	7	6	....	11	12	....	....	....	....	....	....	12	....
16	直方	Naokata.	....	....	....	....	....	....	....	....	6	14	7	14	....
17	飯塚	Iizuka.	10	12	13	....	15	17	15	9	10	12	6	18	....
18	土居	Doi.	7	10	10	11	12	16	....	7	9	6	6	8	....
19	香春	Kaharu.	....	....	....	13	16	....	14	4	11	10	7	15	....
20	添田	Soeda.	8	12	15	12	15	19	16	7	11	11	7	10	143
21	小倉	Kokura.	....	11	11	10	10	....	13	7	7	6	6	13	....
22	白洲	Shirasu.	11	13	15	11	16	20	13	6	7	11	8	17	148
23	六連島	Mutsurenshima.	12	15	14	14	18	16	14	8	6	12	7	21	157
24	赤間關	Akamagaseki.	13	16	13	13	16	17	15	9	8	11	9	24	164
25	小串	Kogushi.	11	16	14	14	17	18	17	11	10	13	7	23	171
26	角島	Tsunoshima.	6	13	9	10	14	13	9	8	10	8	7	13	120
27	河原	Kawara.	12	15	12	14	14	18	15	10	11	11	8	19	159
28	東深川	Higashifukagawa.	13	13	16	11	16	21	....	7	7	7	....	....	....
29	見島	Mishima.	13	18	12	10	13	14	13	7	7	9	9	20	145
	松本川														
30	萩	Hagi.	15	18	13	14	14	13	13	3	8	7	7	18	143
31	生雲中	Ikumonaka.	17	13	13	12	14	15	12	7	4	....	....	....	....
32	佐々並	Sasanami.	....	....	....	....	14	15	13	7	....	12	5	15	....
33	嘉年上	Kanekami.	....	....	....	....	....	....	20	12	8	....	....	....	....
34	須佐	Susa.	19	15	16	15	16	19	17	13	13	12	11	24	190
35	津和野	Tsuwano.	10	12	12	11	10	21	16	10	13	13	10	20	158
36	益田本郷	Masudahongō.	18	19	17	14	15	19	14	9	9	13	13	22	182
37	濱田	Hamada.	20	20	18	13	15	19	15	12	11	13	14	25	195
	郷川														
38	川本	Kawamoto.	23	19	10	9	12	16	14	10	3	11	8	18	153
39	濱原	Hamahara.	17	14	18	13	14	18	16	15	10	13	15	25	188
40	三次	Miyoshi.	13	14	11	11	13	16	13	8	8	11	8	18	144
41	三良坂	Mirasaka.	—	—	—	11	9	14	14	7	8	9	7	11	—
42	西野	Nishino.	12	12	11	14	9	13	16	11	10	16	8	20	152
43	生田	Ikuta.	20	19	18	13	13	18	14	11	10	12	12	23	183
44	吉田	Yoshida.	12	12	13	16	12	17	15	6	10	11	10	17	151
45	壬生	Mibu.	3	5	7	13	11	16	15	11	8	13	10	8?	126
46	大朝	Ōasa.	24	20	19	13	13	18	18	12	13	16	14	23	203
47	上布野	Kamifuno.	—	—	—	10	11	16	15	10	10	13	9	14	—
48	新市	Shinichi.	—	9	15	14	14	16	15	11	9	15	12	1?	—
49	庄原	Shōbara.	18	12	11	12	13	13	11	5	9	10	7	7	128
50	西城	Saijō.	7	6	8	16	14	20	18	14	8	13	11	13	148
51	小島原	Koshimahara.	11	12	12	13	12	17	14	12	10	16	10	13	152
52	大森	Ōmori.	17	14	9	9	8	13	15	9	11	6	8	15	134
53	今市	Imaichi.	14	16	11	11	11	13	13	7	6	8	10	23	143
	斐伊川														
54	大東	Daitō.	16	5	13	6	6	8	10	10	6	6	10	19	115
55	掛合	Kakeya.	13	12	6	9	8	8	8	4	7	10	8	15	108
56	福富	Fukudomi.	18	16	14	12	12	17	14	10	11	12	13	23	172
57	廣瀬	Hirose.	13	14	11	12	8	14	13	6	9	14	17	23	154
58	八田	Hatta.	25	22	20	12	6	11	14	11	13	14	10	26	184
59	米子	Yonago.	22	21	17	12	4	15	9	5?	8?	13?	11	....	....
60	境	Sakai.	26	21	16	13	13	17	15	12	13	16	15	27	204
61	境	Sakai.	23	15	15	13	11	16	14	10	9	11	14	25	176
	日野川														
62	二部	Nibu.	17	17?	15	14	9	17	14	9	11	14	16	21	174
63	黒阪	Kurozaka.	17	20	14	15	12	19	17	13	14	15	19	21	196
64	多里	Tari.	8	14?	12	9	8	16	10	10	9	12	12	20	140
65	佐摩	Sama.	25	22	19	15	15	19	16	11	13	17	18	26	216
66	御來屋	Mikuriya.	18	14?	15	12	12	15	15	9?	11	12	17	23	173

第三表 明治廿九年降水日數
TABLE III. NUMBER OF RAINY DAYS IN 1896.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第五區 日本海ノ續	V. SEA OF JAPAN.—*Continued.*													
67	八橋	Yahashi.	10	8?	....	12	7	12	10	....	....	....	....	....	....
68	倉吉	Kurayoshi.	24	22	20	18	10	16	16	9	12	16	17	23	203
69	青谷	Aoya.	20	18?	19	16	10	16	17	9	14	11	14	18	182
70	吉岡	Yoshioka.	18	19	19	15	12	11?	7?	4?	9?	10?	10?	14	148
	千代川														
71	智頭	Chizu.	24	24	19	16	14	20	21	12	17	17	19	20	223
72	鳥取	Tottori.	24	20	21	16	13	19	19	12	14	15	20	22	215
73	鳥取	Tottori.	22	19	....	....	....	....	....	....	....	....	....	....	....
74	栃本	Tochimoto.	21	20?	14?	16	7	15	18	13	16	17	18	24	199
75	郡家	Kōge.	24	19?	18	13	12	12	19	11	10	15	18	20	191
76	若櫻	Wakasa.	23	22	17	16	11	16	18	12	16	16	17	20	204
77	岩井	Iwai.	27	21	18	16	11	17	16	12	16	15	21	26	216
78	湯村	Yumura.	27	22	19	16	7	18	17	10	13	15	19	25	208
	圓山川														
79	豊岡	Toyo-oka.	16	16	17	16	14	16	18	13	15	16	19	20	196
80	出石	Izushi.	20	20	15	14	8	17	15	7	13	11	14	20	174
81	和田山	Wadayama.	11	11	15	14	9	14	14	8	12	12	12	9	141
82	久美濱	Kumihama.	28	25	19	16	12	19	20	16	15	17	19	27	233
83	網野	Amino.	27	21	18	15	10	18	18	12	13	15	17	26	210
84	峰山	Mineyama.	30	22	20	16	10	18	21	15	14	17	21	27	231
85	宮津	Miyatsu.	27	24	19	17	13	19	21	14	14	17	20	26	231
	由良川														
86	由良	Yura.	22	21	14	13	10	17	18	9	12	13	17	21	187
87	福知山	Fukuchiyama.	16	17	16	16	12	18	18	12	....	14	15	17	....
88	綾部	Ayabe.	20	22	19	18	12	21	18	12	15	16	19	19	211
89	鷹栖	Takasu.	14	16	18	15	8	16	16	11	11	13	14	16	168
90	舞鶴	Maitsuru.	22	22	18	16	12	17	18	12	....	16	16	21	....
91	久坂	Hisasaka.	....	....	....	....	11	16	20	11	9	16	....	....	....
92	熊川	Kumakawa.	....	....	....	....	9	15	18	15	13	15	....	....	....
93	立石岬	Tateishinohana.	27	21	19	15	10	17	16	15	14	14	19	26	213
	九頭龍川														
94	福井	Fukui.	....	....	....	....	9	12	17	10	13	14	....	....	....
95	大野	Ōno.	....	....	....	....	10	18	21	13	15	19	....	....	....
96	今庄	Imajō.	....	....	....	....	4	3	8	3	6	3	....	....	....
97	大聖寺	Daishōji.	29	21	19	15	9	14	17	12	14	17	18	26	211
98	小松	Komatsu.	27	20	18	15	11	13	15	11	13	20	19	25	207
99	白峰	Shiramine.	....	....	....	....	8	14	20	11	12	19	....	....	....
100	松任	Matsutō.	27	21	18	15	10	16	18	10	14	20	20	26	215
101	金澤	Kanazawa.	30	22	18	17	10	16	21	12	17	24	22	25	234
102	津幡	Tsubata.	27	20	21	14	8	14	15	11	11	13?	17	21	192
103	羽咋	Hagui.	23	19	19	15	10	15	18	11	16	18	16	27	207
104	輪島	Wajima.	26	21	19	16	7	15	17	11	14	....	....	....	....
105	輪島	Wajima.	....	....	....	....	....	....	....	....	....	....	....	27	....
106	祿剛崎	Rokkōsaki.	26	23	20	14	6	15	16	7	16	18	15	26	202
107	野々江	Nonoe.	29	24	24	13	9	14	16	9	15	19	14	26	212
108	飯田	Iida.	29	23	23	16	7	13	17	8	14	21	12	26	209
109	七尾	Nanao.	26	22	16	15	8	11	9	5	10	13	6?	17	158
	庄川														
110	伏木	Fushiki.	28	24	20	16	10	16	18	14	15	21	20	28	230
111	高岡	Takaoka.	26	23	15	....	6	....	....	7	9	....	....	....	....
112	杉木新	Suginokoshin.	25	16	20	16?	....	....	....	....	....	....	....	....	....
113	井波	Inami.	....	....	....	....	12	16	22	14	20	25	24	30	....
114	金屋岩黒	Kanayaiwakuro.	....	....	....	....	7	13	18	17	13	16	....	....	....
	神通川														
115	富山	Toyama.	25	17	18	16	....	....	13	11	12	23	20	26	....
116	高山	Takayama.	24	12	8	14	9	15	16	7	12	15	10	21	163
117	三室荒屋	Mimuroaraya.	....	....	....	....	11	15	24	16	15	22	....	....	....
118	船津	Funatsu.	....	....	....	....	9	13	14	7	10	17	....	....	....

第三表 明治廿九年降水日數
TABLE III. NUMBER OF RAINY DAYS IN 1896.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第五區 日本海ノ續	V. SEA OF JAPAN.—*Continued.*													
119	魚津	Uotsu.	14	9	9	13	3	11	15	11	11	16	16	26	154
120	糸魚川	Itoigawa.	26	20	22	17	10	11	21	14	15	23	20	26	225
	關川														
121	高田	Takata.	....	....	....	....	....	12	21	3	6	17	14	10	....
122	關山	Sekiyama.	....	....	....	....	10	15	23	12	15	15	....	....	....
123	安塚	Yasuzuka.	....	....	....	....	11	18	20	14	17	22	20	....	....
124	柏崎	Kashiwasaki.	....	....	....	9	9	....	16	8	10	15	12	....	....
	信濃川														
125	新潟	Niigata.	22	20	20	12	4	14	12	13	13	15	15	26	186
126	新潟	Niigata.	27	25	24	14	10	16	16	14	18	22	16	29	231
127	三條	Sanjō.	28	17	24	12	5	13	15	14	13	21	17	25	204
128	與板	Yoita.	7	8	10	9	6	13	14	11	14	23	18	13	146
129	長岡	Nagaoka.	....	....	6	13	8	16	19	11	15	20	17	....	....
130	小千谷	Ojiya.	....	....	....	....	7	13	15	13	14	17	7	....	....
131	十日町	Tōkamachi.	....	....	....	....	8	12	15	11	10	12	8	....	....
132	豊郷	Toyosato.	....	....	....	....	8	15	14	14	11	16	14	....	....
133	飯山	Iiyama.	....	....	....	14	7	14	16	12	13	17	15	....	....
134	中野	Nakano.	22	13	12	14	9	14	14	15	12	13	14	17	169
135	豊津	Toyotsu.	25	17	12	14	8	19	17	16	13	13	13	21	188
136	須坂	Susaka.	16	10	5	11	6	16	14	8	9?	13	6	15	129
137	篠井	Shinonoi.	19?	11	7?	15	11	19	16	14	11	12	8	16	159
138	屋代	Yashiro.	13?	11	7	14	7	15	15	12	10	....	....	....	....
139	上田	Ueda.	6	9	3	8	6	8	13	7	9	10	4	6	89
140	岩村田	Iwamurata.	4	10	5	14	8	19	19	12	11	11	3	8	124
141	臼田	Usuda.	6	9	6	10	6	18	17	7	9	13	4	7	112
142	卷	Maki.	....	9	14	11	8	13	15	9	17	18	13	22	....
143	新津	Niitsu.	....	....	18	....	13	....	18	....	....	....	....	....	....
144	村松	Muramatsu.	....	....	....	....	9	15	17	13	17	22	....	....	....
145	橡尾町	Tochiomachi.	....	....	....	....	12	17	21	14	15	20	....	....	....
146	孟地	Mochi.	....	....	....	....	6	10	16	8	10	15	....	....	....
147	六日町	Muikamachi.	16	14	7	9	11	13	19	15	19	18	15	....	....
148	湯澤	Yusawa.	....	....	....	....	16	19	21	20	20	23	....	....	....
149	長野	Nagano.	22	17	11	14	11	18	14	13	13	12	9	17	171
150	大町	Omachi.	16	12	10	14	9	20	14	10?	11	11	9	16	152
151	成相新田	Nariaishinden.	6	11	7	13	8	14	14	11	9	10?	6	8	117
152	松本	Matsumoto.	....	....	....	10	....	....	13	....	....	....	....	....	....
153	奈良井	Narai.	13	13	7	14	9	....	....	....	....	....	....	....	....
154	島々	Shimashima.	....	....	....	....	....	....	15	11	8	8	....	....	....
155	姫崎	Himesaki.	27	22	21	13	6	14	13	10	12	17	16	19	190
	阿賀野川														
156	新發田	Shibata.	....	13	24	14	13	15	24	15	21	18	19	27	....
157	津川	Tsugawa.	....	....	....	....	8	19	18	14	15	17	18	9?	....
158	喜多方	Kitakata.	29	21	20	13	7	11	18	16	15	17	13	24	204
159	坂下	Bange.	27	22	16	13	10	13	17	12	14	17	11	18	190
160	高田	Takata.	12	3	13	6	5	15	12	7	11	15	12	16	127
161	若松	Wakamatsu.	18	11	7	10	7	10	10	9	13	16	8	18	137
162	福良	Fukura.	....	....	....	....	4	3	9	8	8	3	....	....	....
163	猪苗代	Inawashiro.	24	18	18	6	8	18	19	15	15	16	7	4	168
164	只見	Tadami.	....	....	....	....	11	17	19	20	16	21	....	....	....
165	田島	Tajima.	20	19	12	10	9	19	19	16	12	11	9	10	166
166	小國	Okuni.	....	....	....	....	12	16	18	17	15	21	....	....	....
167	村上	Murakami.	....	....	....	....	6	11	17	8	14	14	15	19	....
168	加茂	Kamo.	26	24	19	11	8	14	20	8	15	....	....	....	....
	最上川														
169	酒田	Sakata.	27	23	20	11	9	16	17	12	12	16	13	18	194
170	酒田	Sakata.	29	26	26	13	10	14	23	12	13	21	21	23	231
171	新庄	Shinjō.	21	18	18	7	5	12	16	11	8	6?	8	15	145
172	楯岡	Tateoka.	10	13	10	3	5	9	13	11	11	8?	10	8	111
173	天童	Tendō.	18	15	11	6	7	11	13	13	13	9	13	9	138
174	寒河江	Sagae.	13	14	10	2	7	12	13	16	10	15	9	12	133

第三表 明治廿九年降水日數

TABLE III. NUMBER OF RAINY DAYS IN 1896.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第五區 日本海ノ續	V. SEA OF JAPAN.—*Continued.*													
	最上川ノ續														
175	山形	Yamagata.	22	19	20	10	9	16	18	13	15	18	14	18	192
176	上ノ山	Kaminoyama.	20	21	18	9	7	17	12	14	15	14	15	21	183
177	宮	Miya.	7?	20	16	7	6	12	10	17	13	13	18	17	156
178	高畑	Takahata.	24	20	19	8	6	15	11	13	13	15	12	17	173
179	米澤	Yonezawa.	18	23	16	3	6	14	10	14	11	16	11	17	159
180	大鳥	Ōtori.	29	27	25	12	12	15	26	18	22	22	23	30	261
181	鶴岡	Tsurugaoka.	27	25	22	11	11	17	24	16	20	22	25	30	250
182	藤島	Fujishima.	24	23	21	8	7	13	17	12	13	17	16	26	197
	子吉川														
183	本莊	Honjō.	27	26	23	....	8	13	19	13	16	21	22	25	....
184	矢島	Yashima.	....	....	....	6	6	12	24	12	15	21	19	....	....
185	道川	Michikawa.	23	18	19	8	9	12	23	15	16	17	16	21	197
186	象潟	Hisakata.	—	—	—	—	—	—	—	13	16	20	17	20	....
	雄物川														
187	土崎	Tsuchisaki.	....	....	....	....	....	....	25	12	18	18	21	27	....
188	秋田	Akita.	29	24	20	13	11	15	22	17	16	19	23	28	237
189	新波	Araha.	27	23	19	11	11	14	20	15	16	20	20	24	220
190	大曲	Ōmagari.	8	7	4	7	9	12	18	10	6	14	16	14	125
191	横手	Yokote.	—	22	....	....	....	....	....	....	....	8	11	....	....
192	沼舘	Numadate.	....	....	....	....	6	10	18	7	11	17	19	....	....
193	西馬音内	Nishimonai.	....	....	....	....	6	11	23	7	10	16	12	....	....
194	稻庭	Inaniwa.	29	28	20	9	8	17	24	20	18	24	24	25	246
195	川向	Kawamukaye.	28	24	21	11	12	13	21	18	17	22	19	20	226
196	角舘	Kakunotate.	25	22	20	14	11	15	21	16	15	19	22	24	224
197	田澤	Tazawa.	19	16	20	13	10	13	20	12	10	20	19	22	194
198	目長崎	Menagasaki.	21	21	21	15	8	11	18	14	16	17	20	23	205
199	笠岡	Kasaoka.	23	22	21	15	12	13	22	14	16	19	22	24	223
200	五城目	Gojonome.	26	24	20	12	10	15	20	13	13	15	17	21	206
201	船川	Funakawa.	26	19	22	10	8	9	15	10	13	17	....	....	....
	米代川														
202	能代	Noshiro.	23	20	20	12	8	....	....	....	....	....	....	....	....
203	鷹巣	Takanosu.	24	18	18	15	13	19	23	16	19	23	22	27	237
204	大舘	Odate.	19	....	....	4	....	....	16	3	11	12	16	....	....
205	扇田	Ogita.	24	16	15	14	7	16	21	10	7	14	18	20	182
206	花輪	Hanawa.	19	12	17	10	13	12	20	13	15	16	21	15	183
207	八森	Hachimori.	....	....	....	....	....	....	....	9	12	10	13	....	....
208	鰺澤	Ajigasawa.	23	26	17	8	4	9	13	10	10	7	13	19	159
	岩木川														
209	五所河原	Goshogawara.	18	16	19	8	6	14	15	10	12	16	17	26	177
210	弘前	Hirosaki	22	....	17	8	....	....	....	....	....	....	19	....	....
211	國吉	Kuniyoshi.	18	20	13	9	5	9	11	9	10	13	16	14	147
212	黑石	Kuroishi.	22	17	....	5	5	8	19	11	13	14	19	7	....
213	江良町	Eramachi.	16	12	14	9	10	13	15	12	15	14	12	23	165
214	鷗島	Komomeshima.	22	15	18	10	8	13	17	13	18	16	21	27	198
215	餌虫	Gamushi.	11	11	7	7	6	5	19	5	8	5	9	....	....
216	久遠	Kutō.	....	....	....	10	10	12	15	....	....	....	....	....	....
217	釣掛	Tsurikake.	26	21	15	8	14	16	16	22	15	17	15	19	204
218	稻穗崎	Inahosaki.	14	18	10	8	10	13	14	20	19	16	20	15	177
219	太櫓	Futoro.	11	6	6	5	4	[illegible]	11	8	6	[illegible]	4	8	[illegible]
220	瀬棚	Setana.	22	18	16	8	5	7	12	10	5	8	4	13	128
221	辨慶崎	Benkeisaki.	13	12	9	7	1	6	11	15	12	19	14	19	141
222	壽都	Suttsu.	29	22	24	12	14	11	18	24	22	21	23	26	246
223	島古潭	Shimakodan.	21	11	9	8	3	4	9	11	7	12	13	14	122
224	岩内	Iwanai.	19	9	23	12	7	9	13	15	14	19	19	18	177
225	神惠内	Kamuinai.	....	....	....	12	10	11	14	12	17	22	21	....	....
226	神威岬	Kamoimisaki.	22	16	16	8	10	12	14	14	18	21	18	23	192
227	小泊	Kotomari.	26	17	22	7	8	9	15	12	17	18	20	23	194
228	仁木	Niki.	21	23	19	....	....	....	....	....	....	....	....	....	....

第三表 明治廿九年降水日數
TABLE III. NUMBER OF RAINY DAYS IN 1896.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	第五區 日本海ノ續	V. SEA OF JAPAN.—*Continued.*													
229	日和山	Hiyorimiyama.	28	15	24	13	10	11	15	16	18	22	23	23	218
230	小樽	Otaru.	26	16	22	11	8	10	16	13	16	22	20	19	199
	石狩川														
231	石狩	Ishikari.	24	12	18	10	7	9	14	15	16	19	22	20	186
232	札幌	Sapporo.	25	15	21	10	7	10	17	16	19	21	23	22	206
233	岩見澤	Iwamisawa.	25	5	18	13	....	....	....	....	....	....	....	....	....
234	市來知	Ichikijiri.	17	7	17	8	9	8	9	10	14	....	....	....	....
235	忠別	Chubetsu.	25	7	22	14	14	10	17	13	21	27	23	20	213
236	千歳	Chitose.	13	12	15	....	....	....	....	....	....	....	....	....	....
237	增毛	Mashike.	29	11	25	13	11	10	16	14	17	26	25	26	223
238	留萠	Rurumotsupe.	—	—	—	—	—	14	19	16	18	16	21	15	....
239	鴛泊	Oshitomari.	19	11	20	7	8	9	10	16	21	19	20	24	184
	仁川	Jenchuan.	4	2	1	12	7	13	15	11	9	6	2	7	89
	釜山	Fusan.	1	7	2	14	4	16	14	8	4	5	6	6	87
	釜山	Fusan.	1	5	4	8	7	11	13	6	4	2	5	6	72
	元山津	Yuensan.	1	3	1	8	3	9	14	12	5	3	5	1	65
	浦潮港	Vladivostok.	5	3	3	9	14	19	14	13	13	10	7	2	112
	第六區 津輕海峽	VI. TSUGARU STRAIT.													
1	青森	Aomori.	25	18	24	10	8	13	17	13	13	18	22	27	208
2	脇野澤	Wakinozawa.	17	13	13	9	5	....	14	9	10	16	16	17	....
3	田名部	Tanabe.	19	22	23	12	9	12	15	13	18	22	18	21	204
4	佐井	Sai.	—	—	—	—	—	—	—	—	8	8	....	....	....
5	尻矢崎	Shiriyasaki.	10	13	12	6	7	15	14	9	14	17	17	21	155
6	辨天島*	Bentenshima.*	23	24	16	8	9	16	15	13	13	15	17	24	193
7	白神崎	Shirakamisaki.	20	25	24	10	10	18	18	15	12	15	19	23	209
8	木古内	Kikonai.	—	—	9	3	1	7	13	6	8	12	10	3	....
9	葛登支岬	Kattojimisaki.	18	17	17	9	6	12	15	11	17	17	18	19	176
10	大野	Ōno.	2?	3?	2?	9	7	10	13	12	14	14	14	4°	104
11	七飯	Nanaii.	18	11	15	11	10	12	16	12	16	16	18	17	172
12	函館	Hakodate.	20	19	21	12	9	15	18	14	18	18	20	19	203
13	汐首崎	Shiokubisaki.	12	17	17	10	9	12	16	15	16	20	15	21	180
14	惠山岬	Yesanmisaki.	11	12	10	7	8	9	17	12	18	18	16	14	152
15	臼尻	Usushiri.	10	12	10	7	7	8	16	9	14	8	9	10	120
16	鹿部	Shikabe.	13	10	3	4	5	9	8	6	9	10	6	7	90
17	森	Mori.	11	6	9	6	6	6	8	5	8	5	5	4	79
18	八雲	Yakumo.	—	—	—	—	—	—	11	12	13	....	....	....	....
19	大黒島+	Daikokushima.+	13	12	9	8	5	9	18	13	16	15	13	15	146
20	白老	Shiraoi.	7	4	5	3	5	4	15	18	....	....	....	....	....
21	苫小牧	Tomokomai.	9	6	2	3	6	5	5	10	10	5	4	6	71
22	門別	Mombetsu.	2	3	2	4	2	2	8	3	6	6	5	....	....
23	下々方	Shimogehō.	3	7	6	9	7	8	12	10	11	11	9	2	95
24	浦河	Urakawa.	12	10	7	10	9	10	16	11	16	17	14	17	149
25	襟裳岬	Yerimomisaki.	10	4	5	10	9	10	14	12	16	19	15	11	135
	第七區 阿哥斯克海	VII. OKHOTSK SEA.													
1	宗谷岬	Sōyamisaki.	21	8	20	14	14	9	13	19	22	20	20	25	205
2	常呂	Tokoro.	—	—	—	—	—	9	....	....	19	12	9	....	....
3	網走	Abashiri.	17	14	14	8	7	13	13	9	21	18	13	11	158
4	斜里	Shari.	15	11	3	5	8	....	14	4	2	18	15	6	....
	區外 州南諸嶋	SOUTHERN ISLANDS.													
1	恒春	Koshun.	—	—	—	—	—	—	—	—	—	—	—	1	—
2	漁翁島	Gyoōtō.	3	....	....	....	3	7	3	6	5	4	2	2	....
3	臺北	Taihoku.	—	—	—	—	—	—	—	—	11	13	16	7	....
4	石垣島	Ishigakishima.	....	11	19	11	18	5	11	13	10	21	7	12	....
5	石垣島	Ishigakishima.	—	—	—	—	—	—	—	—	—	—	—	18	....
6	西里	Nishisato.	—	11	15	6	15	3	12	7	5	15	10	5	....
7	具志川	Gushicha.	—	—	—	—	—	—	—	—	3	17	11	8	....
8	喜屋武	Chan.	9	7	8	6	14	2	5	2	1	8	10	11	83
9	富里	Fuzato.	9	11	8	4	12	4	3	9	4	7	7	5	83
10	那覇	Naha.	11	21	22	14	17	13	14	20	14	16	13	16	191
11	先原崎	Sakibarusaki.	—	—	—	—	—	—	—	—	—	—	—	14	—
12	首里區	Shuri.	10	19	17	10	8	3	10	10	7	7	11	14	126
13	喜名	China.	11	19	14	8	11	6	14	3	2	11	8	8	115

福山港 * Harbour of Fukuyama.　　室蘭灣 + Gulf of Muroran.

第三表　明治廿九年降水日數
TABLE III.　NUMBER OF RAINY DAYS IN 1896.

番號 No.	地名	Locality	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.	年 Year
	區外 州南諸島ノ續	SOUTHERN ISLANDS.—*Continued.*													
14	平敷屋	Hishicba.	8	18	16	11	15	8	12	9	6	16	11	9	139
15	西原	Nishibara.	7	12	8	5	13	5	6	....	1	4	3	....	....
16	東江	Agarie.	10?	19	18	12	16	9	15	12	7	11	9	11	149
17	大島	Ōshima.	—	—	—	—	—	—	—	—	—	—	—	25	—

ON THE EARTHQUAKES

IN

THE YEAR 1896.

GENERAL REVIEW.

FREQUENCY AND DISTRIBUTION OF EARTHQUAKES.

The total number of earthquakes observed all over Japan in the year 1896 (Meidji 29th) was 1,907, the daily average amounting to 5. The portions most disturbed were northeastern Hondo, the plains of Kwantō, Mino-Owari and Higo (See PL. I).

In this year, two severe shocks were felt in northeastern Hondo and their after-shocks were so numerous that the total number of shocks was more by 490 than the preceding year, in spite of that decrease in the most frequent regions, i.e. Mino-Owari, Higo and Nemuro. Of thē all, the considerable increase of the number was 215 at Aomori, 190 at Akita, 155 respectively at Miyako and Fukushima, 98 at Tōkiō and 75 at Kōfu. On the other hand, there were decrease of shocks by 51 at Kumamoto, 43 at Nemuro, 39 at Gifu and 36 at Nagoya. Besides the above two shocks in northeastern Hondo, we often observed in this year, many earthquakes, extending in large an area and especially shaking much the coast regions. But we had only a few of local shocks originate on land.

The general distribution of earthquakes in this year is sketched as follows:—

The number of after-shocks in the plain of Mino-Owari decreased year by year, and in thi year we observed 118 at Gifu and 110 at Nagoya, of which 89 at Gifu and 77 at Nagoya were local ones. We had often noticed that as to the fluctuation of earthquakes there was a marked difference between Gifu and Nagoya. Thus, of more than 200 of shocks which were felt in this plain, during this year only 17 were of the same origin. In the present year, distant earthquakes were not rarely experienced at Gifu, but the number was only one half of that at Nagoya.

In the neighbourhood of Tōkiō, there was a considerable increase of shocks, the number being 227 at Tōkiō and 143 at Kōfu, among which 44 at Tōkiō and 19 at Kōfu were local ones. The greater parts of disturbances felt in these regions originated beneath the Kashima Sea. Especially at Chōshi, of 57 observations, only two were found to be not of this origin. Also within the bays of Tōkiō and Sagami, a seimic source showed its activity, and 3 strong and more than 10 weak shocks were felt. The shock of this origin was generally quick in nature and severe in intensity, but the seismic area was of a small extent. Here we may mention that Kōfu was

exceedingly sensible of distant earthquakes while, in general, these were very rare to strike such inland stations. In fact, after the earthquake of northeastern Japan, here were felt 7 aftershocks which the neighbouring stations could not observe. Thus, of 142 shocks observed at Kōfu, the local ones were not beyond 20.

As we have already mentioned, the total number of shocks felt in northeastern Hondo was considerably increased by the repeated shocks succeeding the two severe, one of which occured on the 15th June in the provinces Rikuzen, Rikuchū and Mutsu and the second on the 31st August in Ugo and Rikuchū. At the centre of the latter, aftershocks were observed more than 1000 times. The disturbance extented in the SW, far off to Ōsaka and Sakai about 1200 km. distant, while in the NE hardly to southern Hokkaidō of the distance of about 400 km. In fact, the disturbed area in the northeastward portions was only $\frac{1}{7}$ of the southwestward portions. Such difference in the propagation of disturbance was the general character for the shocks of land origin. Thus, the great earthquake of Mino-Owari (1891) and the Sakata earthquake (1894) had also been the well known examples.

The earthquake on the 15th June raised up sea waves and the coast of northeastern Japan was entirely washed by the wave. The origin of the shock seemed to lie far east beneath the Pacific Ocean, and the earthquake was not felt strong. But isoseismic area was of a great extent, major axis being 1400 km. and minor 1040 km. We may notice here that, in these regions, not unfrequently happened the shocks of such kinds as unable to observe without an aid of instruments, though their disturbances extended far to Nagano, Hikone, Sakai, etc. The shock of the 15th June was also of the similar nature. Repeated shocks followed, and in the succeeding week the number of aftershocks observed was 96 at Aomori, 59 at Miyako, 40 at Fukushima and 42 at Tōkiō. On the other hand, the number observed at Ishinomaki was only 3 and none was found to be related to the above. Notwithstanding the insensibility of the place to slow undulations, it was felt pretty severely for shocks of brisk nature. Indeed, in the occasion of the violent earthquake of Rikuchū and Ugo, here was felt a strong vibration and number of aftershocks was nearly the same as at Miyako and Aomori. Thus, at Ishinomaki, which is built on mesozoic rocks, shocks with short periods produced much effects and the curves of vibrations here felt were always zigzag lines taking some 10 or 20 complete oscillations in one second.

On the 2nd April, a strong earthquake occured in the northern parts of Noto province, and the aftershocks were observed beyond 50. In this region, there are two sources of seismic activity different in nature. One lies under the sea west of the province and the other northeast of it. The disturbance of the former easily propagates westward and its intensity is also more severe in this direction. On the other hand, the latter has always its seismic area more extended eastwards. The earthquakes on the 9th and the 11th December, 1892, were of the first kind and that of the 2nd April of this year was of the 2nd kind. Although these two seismic sources are not similar in their modes of propagations, yet it seems there exists some connection between them. For, when one was active, the other always not, and both could never happen at the same time. The local shocks which were often observed along the coast of Yechigo seems to be included in the 2nd kind.

In the following table, we give the number of local and non-local earthquakes observed at the several meteorological stations.

Stations.	Total number	Local				No-local
		a*	b*	Sum	Percentage	
Kagoshima	28	26	2	28	100	0
Kumamoto	111	106	1	107	96	4
Kure	12	4	2	6	50	6
Tadotsu	16	7	4	11	69	5
Wakayama	27	24	...	24	89	3
Sakai	23	4	1	5	22	18
Hikone	58	20	4	24	41	34
Gifu	118	81	8	89	75	29
Nagoya	110	66	11	77	70	33
Kōfu	143	19	1	20	14	123
Tōkiō	227	44	46	90	40	137
Chōshi	57	8	40	48	84	9
Nagano	21	8	2	10	48	11
Nīgata	40	9	1	10	25	30
Utsunomiya	62	8	11	19	31	43
Fukushima	223	40	13	53	24	170
Ishinomaki	71	14	11	25	36	46
Yamagata	66	12	2	14	21	52
Miyako	188	42	94	136	72	52
Aomori	247	80	23	103	42	144
Akita	199	135	49	184	94	15
Hakodate	21	2	9	11	52	10
Nemuro	84	69	11	80	95	4

* a. Number of earthquakes which were observed at a meteorological station only.

b. Number of earthquakes which were observed at a meteorological station, nearest to the epicentre.

From the above table we see that Kōfu was extremely rare of local shocks, the percentage being only 14%. On the other hand, at Kagoshima, Kumamoto and Nemuro the shocks were all nearly local.

HOURLY DISTRIBUTION OF EARTHQUAKES.

In the following, the 1,907 shocks are classified according to hours of their occurence.

Hour \ Month	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
0— 1 a.m.	12	4	2	8	2	7	4	1	31	3	2	1	77
1— 2 ,,	2	5	5	11	4	8	5	2	18	3	2	4	69
2— 3 ,,	8	4	4	6	3	4	5	7	24	3	2	2	72
3— 4 ,,	4	6	2	4	4	7	5	3	30	3	3	2	73
4— 5 ,,	9	...	2	8	4	11	3	2	19	1	2	6	67
5— 6 ,,	12	4	5	9	12	7	4	4	16	6	3	6	88
6— 7 ,,	5	2	3	6	5	11	7	1	10	3	2	3	58
7— 8 ,,	8	7	7	14	8	10	6	7	10	3	1	5	86
8— 9 ,,	4	3	4	11	1	14	4	7	15	4	6	4	77
9—10 ,,	5	5	9	11	4	5	5	4	16	2	5	8	79
10—11 ,,	2	3	7	9	2	13	11	10	6	3	2	7	75
11—Noon	5	2	5	5	4	4	6	4	15	2	11	3	66
0— 1 pm.	1	4	...	6	6	10	3	5	13	3	5	4	60
1— 2 ,,	4	4	3	6	6	15	5	8	9	6	8	10	84
2— 3 ,,	3	6	5	7	4	9	6	3	13	4	6	4	70
3— 4 ,,	5	5	5	5	4	6	6	6	14	3	3	4	66
4— 5 ,,	5	5	4	7	2	13	8	11	17	4	2	5	83
5— 6 ,,	6	6	7	9	7	22	5	30	10	2	4	3	111
6— 7 ,,	7	3	4	3	5	12	4	24	11	1	4	5	83
7— 8 ,,	5	5	5	2	8	15	9	13	11	6	7	3	89
8— 9 ,,	6	8	7	12	6	10	5	5	26	7	1	5	98
9—10 ,,	6	6	5	7	3	20	4	18	19	5	1	5	99
10—11 ,,	14	2	5	6	5	12	8	18	18	7	4	4	103
11—M.N.	6	6	4	1	1	9	5	19	20	1	2	...	74
Sum	144	105	109	173	110	254	133	212	391	85	88	103	1,907

From this table, it can be seen that the earthquakes were most frequent between 5—6 p. m. (111 times), the next being between 10—11 p. m. (103 times), while they were least so between 6—7 a. m. (58 times), the next being between 0—1 p. m. (60 times). Also there were 133 more shocks in afternoon than in morning. Again if we take 6 o'lock as the boundary between day and night, 77 more shocks were felt during night than during daytime.

AREA OF SEISMIC DISTURBANCE.

The extent of the disturbed area depends not only upon seismic energy and depth of the origin but also to a great extent upon the geological structure as well as geographical condition of the surrounding crust. To measure the absolute magnitude of seismic energy we have to consider the cubical volume of the seismic disturbance, but it may, in the ordinary cases, be put to be proportional to the superficial area of disturbance. When the seismic source takes place in the land, the area of the disturbance is determined; but it is not the case if it lies beneath the ocean. Of cause we have, to take into account the disturbed area both over land and sea, but the latter can not be estimated with any degree of accuracy so that the former is all that we can give. In comparison, however, of seismic energy it may be assumed to be proportional to the square of the radius from the centre.

In the following table are given those strong earthquakes whose disturbed area covered more than 20,000 sq. km. The numbers with astericks refer to the regions such as along the Inland Sea, or some gulfs or bays where the area both over land and sea could be estimated.

Date		Time	Epicentre	Axes of disturbed area		Strong and violent part	Weak part	Slight part	Total area
				Major	Minor				
		h m		km	km	km^2	km^2	km^2	km^2
Jan.	9	10 17 p. m.	Kashima Sea	1,360	720	35,680	67,520	69,920	173,120
	10	5 52 a. m.	,,	760	600		30,560	64,800	95,360
	10	11 52 a. m.	,,	680	560		41,120	43,360	84,480
	22	4 44 a. m.	Sagami Sea	680	480	8,800	31,520	53,760	94,080
	22	5 28 a. m.	,,	400	280		3,360	46,720	50,,080
Feb.	12	6 38 a. m.	Idzu Sea	600	480		13,440	49,280	62,720
	14	1 56 a. m.	Tōkiō Bay	440	240		14,880	21,920	36,800
	14	2 04 a. m.	North western Musashi	440	260		19,680	45,760	65,440
	23	7 42 p. m.	Kashima Sea	880	640	21,280	51,520	58,560	131,360
	29	5 57 a. m.	Northeastern Hitachi	360	280		22,720	29,280	52,000
March	6	11 52 p. m.	Sekiyado, Shimōsa	800	480	19,360	40,160	60,640	120,160
April	2	1 41 a. m.	Northeastern Noto	720	520	1,600	32,480	77,280	111,360
	5	0 19 a. m.	Bingo Sea	720	360	15,040	58,240	56,800	130,080
	11	11 00 p. m.	Chōshi Sea	1,200	800		46,400	104,480	150,880
	19	7 56 p. m.	Northern Ugo	1,400	600	6,720	74,720	82,400	163,840
	24	10 50 a. m.	Kasumiga-ura	560	480	7,200	36,000	64,640	107,840
May	7	6 38 a. m.	Kiōto	480	240	1,440	9,280	49,600	60,320
	7	2 37 p. m.	Idzu Sea	600	560	2,240	35,840	50,720	88,800
	13	1 45 p. m.	Wakasa Sea	400	280	5,280	10,720	38,080	54,080
	17	3 40 p. m.	Chōshi Sea	1,040	640	11,520	46,240	66,720	124,480
June	7	9 23 p. m.	Owari Bay	260	160		9,280	20,800	30,080
	15	7 32 p. m.	Rikuchū Sea	1,400	1,040		45,920	67,520	113,440
	16	8 01 a. m.	,,	1,400	1,040		46,240	66,880	113,120
	17	0 47 p. m.	Ko-ori, Owari	1,400	1,000		46,400	62,560	108,960
July	19	4 11 p. m.	Kashima Sea	640	160	1,120	11,040	42,080	54,240
	29	5 44 p. m.	,,	1,040	560	12,960	37,440	80,160	130,560
Aug.	1	11 49 a. m.	Iwaki Sea	1,560	1,080	25,440	65,120	58,400	148,960
	20	6 06 p. m.	Tōkiō Bay	600	320	1,440	23,200	41,760	66,400
	23	3 56 p. m.	Kakunodate, Ugo	640	480	6,240	36,480	23,520	66,240
	31	8 38 a. m.	Boundary of Ugo & Rikuchū	880	520	7,200	23,840	44,480	75,520

Date	Time	Epicentre	Axes of disturbed area		Strong and violent part	Weak Part	Slight part	Total area
			Major	Minor				
	h m		km	km	km²	km²	km²	km²
31	4 37 p. m.	Boundary of Ugo & Rikuchū	1,040	520	20,640	34,560	50,880	106,080
31	5 06 p. m.	,,	1,600	800	58,240	44,800	94,880	197,920
Sept. 2	7 01 p. m.	Tsugaru Strait	960	440	3,840	20,160	58,240	82,240
5	11 07 p. m.	Rikuchū Sea	1,280	680	6,080	29,920	59,200	95,200
25	8 35 p. m.	Kakeya, Idzumo	720	280	1,920	11,680	39,520	53,120
Oct. 4	3 27 a. m.	Tsugaru Strait	920	400	1,280	12,000	39,040	52,320
6	3 36 a. m.	Inland Sea	480	320	8,000	27,520	37,440	72,960
Nov. 18	11 06 a. m.	Eastern Nemuro	2,000	1,200	15,520	35,840	70,080	121,440

Thus in 4 cases the area exceeded 150,000 sq. km., in 13 cases it was between 100,000 and 150,000 sq. km. and in 19 cases between 50,000 and 100,000 sq. km.

INTENSITY OF SHOKS.

Of 1,907 shocks in this year, 56 were either strong or violent, 273 weak, and the remaining 1,578 slight. (As there is yet no fixed standard to measure the seismic intensity, the classification is to some extents arbitrary. We have, however, assumed a shock was strong or weak when it was coincidently reported so by two or more stations. If only a single report was obtained as to the intensity, then it was ranked among the next intense type). In percentage 2 % were either strong or violent, 14. 3 % weak and 82. 8 % slight.

The monthly distribution of these shocks were as follows :—

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Sum
Strong or violent	8	2	1	7	6	8	2	9	6	4	1	2	56
Weak	17	20	10	28	20	28	22	28	60	9	16	15	273
Slight	119	83	98	138	84	218	109	175	325	72	71	86	1,578
Sum	144	105	109	173	110	254	133	212	391	85	88	103	1,907

Thus, strong or violent earthquakes were most frequent in August (9 times), and least in March and November (each once). Weak shocks were most frequent in September (60 times) and least in October (9 times). Strong shocks were felt at the following stations.

Akita (9 times), Ustunomiya, Fukushima, Miyako and Nīgata (twice at each), Kiōto, Kōfu, Tōkiō, Chōshi, Gifu, Ishinomaki, Yamagata, Okayama, Ajino, Tadotsu and Nemuro (once at each).

Among the shocks, we may mention the violent shock on the 31st August in Ugo and Rikuchū, the strong shocks on the 2nd April in Noto, on the 9th January in Hitachi, on the 18th November in Nemuro and on the 1st August in Iwaki (see Description of Special Earthquakes and PL. II).

DESCRIPTION OF SPECIAL EARTHQUAKES.

We give here general accounts about some of the most striking shocks during 1896.

EARTHQUAKE OF JANUARY 9TH, 10H 17M P. M. (PL. II, NO. I).

This was one of the remarkable earthquakes originated in the Kashima Sea. The total area of disturbance was about 173,120 sq. kilometres. Its longest and shortest axes were

respectively 1360 km. and 720 km. It extended to southern Hokkaido in the north and to the province of Hōki in the west. The earthquake was most severely felt along the Kuji River in Hitachi province. Damage was, however, nothing beyond that walls of old houses were shaken down and some of rudely constructed houses were slightly strained. Vibration was rather strong but of slow nature.

Mito,—In the lower street of Mito, liquor in some of brewers was spilled out of casks by convulsion, and some of crockery were shaken down from shelves. Most of clock pendulums stopped, indifferently of their direction of motion. Also the directions of liquid convulsion were in no concidence. Since the street is built on the ground made by filling in a swamp, here were always severely felt the earthquakes of distant origin and even the surface waves coused by the locomotive motion. On the other hand, in the upper street of the city, where the ground is hard, very rarely were met such earthquakes as to stop pendulums.

Tsuchiura (Nīhari district),—Houses shook hard, people ran out of doors. Vibration was of rather slow nature. Pendulums stopped. Nothing tumbled down. A few of after-shocks followed.

Chōshi,—Pendulums stopped, water splashed out of buskets. During the vibration, rumbling noises were heard in the northwest.

Fukushima,—Nothing was destroyed. Pendulum stopped.

Inawashiro,—Some of articles were shaken down from shelves, liquid splashed out of buskets, fissures were produced in walles of old houses. Also in the roads covered with snow, cracks were produced, measuring a few millimetres in breadth and more than 1 metre in length. After shocks, 7 or 8 in number, followed.

The following table gives the results of the instrumental observations at the several meteorological stations.

Station	Time of commencement	Duration	Maximum horizontal motion				Maximum vertical motion		
			Direction	Period	Range	Time from beginning	Period	Range	Time from begining
	h m s	m s		s	mm	s	s	mm	s
Tōkiō	10 17 16 p.m.	9 23	S—N	2.2	16.2	70	0.5	0.4	70
Chōshi	10 17 00 ,,		NNE—SSW	0.2	5.1		0.2	0.9	
Fukushima		2 04	SW—NE	0.3	13.0	46	0.9	4.0	46
Gifu		1 30	SE—NW	1.0	0.4	7	1.0	0.2	22
Hikone		4 18	ENE—WSW	1.4	3.0	54	1.1	0.4	57

EARTHQUAKE OF APRIL 2nd, 1H 41M A.M. (HL. II, NO. 2).

This was a strong earthquake which took place in the northern part of Noto province. The area of disturbance was not widely extended, but the shock at the centre was severe enough to produce some damage on rough buildings. The total area of disturbance was about 111,360 sq. km. Strong shocks were felt over the northeastern portions of the province, covering an area of nearly 1600 sq. kilometres, and the isoseismal area in which slight shocks were felt, extended to Sakai in the west, Tōkiō in the south and the provinces Uzen and Rikuzen in the northeast.

As we have already described before, there are two sources of earthquakes in Noto, under the Japan Sea, one in the west and other the east. The earthquake, about which we are now describing, was of the 2nd kind, and the strongest among those experienced before. Along the northern coast of the province, the shock was pretty severe so that in Īdamachi small fissures were produced in roads and houses were a little damaged. The seismic activity showed its power more and more northeastwards. In the village Takoshima, where the damage was most serious, more than 10 of houses were destroyed. Though the shock was less intense in the northern part, yet it was strong enough to overturn some of articles, and produce fissures in walls of old houses. On the other hand, along the northwestern coast, nothing was seen beyond the stop of pendulums. Thus the seismic energy rapidly dissipated westwards, so that only a weak shock was felt at Fushiki of a distance 80 km. westward while the shock at the centre was violent as above and accompanied by a strong vertical motion. These facts shows nothing but the shock was perfectly local in the neighbourhood of Takoshima village. We have often heard of the earthquakes shaking the coast of Yechigo which always gave no damage, their centres being far off the coast. Of course, of the same origin were these and especially conspicuous that which happened in the year 1892.

Īda-machi,—It began at $1^h\ 43^m$ a.m. with a strong vertical motion of brisk nature. The pendulums facing towards the southeast stopped. Fissures were produced in roads, directions being generally in the N—S.

Misaki,—Some of grave-stones and stone lanterns tumbled down. Eight after-shocks followed one after another.

Takoshima,—The shock was strong enough to destroy 2 store-houses, 15 ordinary houses and produced fissures in walls and in roads. But happily, it gave no casualities to life. 3 strong, 14 weak and 18 slight shocks were felt on this day and besides these 14 shockless sounds occurred.

Rokkōzaki,—As soon as a rumbling noise was suddenly heard at $1^h\ 40^m$ a.m, a horizontal motion in the N—S. was observed. An innumerable number of fissures were produced in the ground along the coast, some measuring a few centimetres in width and about 100 metres in length. Fissures were also produced in the walls of houses, and more or less of damages were given to old buildings. Water splashed out of buskets which were full one-seventh or one-eighth of their contents. The number of aftershocks observed on this day and the day after was 22 in total.

Wajima-machi,—At $1^h\ 40^m$ a.m., it began with a slight horizontal motion and was felt gradualy strong, prominent vibration continuing for about 20 minutes. The direction of motion was in the NNE—SSW. Most of pendulum clocks stopped. Houses swung severely, and some of stones placed on roofs were shaken down, but the shock was not strong enough to overturn some articles.

Aikawa(Sado province),—Simultanious with a sound, a horizontal motion of slow nature was felt. The principal direction of vibration was in the NE—SW, total duration being about 40 seconds. The shock was weak in intensity, but was a strong one rarely experinced as to this locality.

The following are the results of observations taken at the meteorological stations,

Station	Time of commencement	Duration	Maximum horizontal motion				Remraks
			Direction	Period	Range	Time from beginning	
	h m s	m s		s	mm	s	
Fushiki	1 41 30 a.m.	1 37	S—N	1.0	0.6	5	Rather quick at first and thence slow.
Hikone	1 41 27 ,,	2 06	NE—SW	0.9	0.6		From the beginning, it was of a comparatively large amplitude and accompanied by a slight vertical motion.
Nagano	1 41 22 ,,		NNW—SSE	1.5	3.0	m s 1 12	Slow at first, accompanied by a slight vertical motion.

EARTHQUAKE OF AUGUST 31ST 11H 49M A.M. (PL. II, NO. 3).

This was a strong earthquake which visited the coast of Hitachi and Iwaki, its total area of disturbance being nearly 148,960 sq. km. The strong shocks were felt over the province lying between Rikuchū and Musashi which run nearly from the north to the south, covering an area of 25,440 sq. km. As to the slight shocks, their extent reached in the west to Nagoya, Hikone and Sakai, and in the north to the northern extremity of Hondo.

At Taira--machi in Iwaki province, some of articles were overturned. This was here a strong shock rarely experienced in recent years.

In Sendai, a number of strong shocks were repeated. Walls of old houses were shaken down. Peaple ran out of doors.

In the following table we give the results obtained at the meteorological stations.

Station	Time of commencement	Duration	Maximum horizontal motion				Maximum vertical motion			Remarks
			Direction	Period	Range	Time from beginning	Period	Range	Time from beginning	
	h m s	m s		s	mm	s	s	mm	s	
Fukushima	11 47 30 a.m.	2 30	E—W		1.0	22		0.3		It began with a vibration of brisk nature. At the 2nd second from the beginning, horizontal as well as vertical motion exhibited its prominent amplitude. Earth sound were heard. The shock was felt very severely.
Utsunomiya	11 48 53 a.m.	3 40	WNW—ESE	0.4	2.8		0.2	1.9		Nature, was slow
Tōkiō	11 49 04 ,,	2 07	SE—NW	0.8	2.2	25	0.4	0.3	25	Very slight horizontal tremore at first, accompanied by a zigzag shaped wave of vertical motion (period = 0.1 s). From the 20th sec., it became rather slow, with the gradual increase of amplitude. The

Station	Time of commencement	Duration	Maximum horizontal motion				Maximum vertical motion			Remarks
			Direction	Period	Range	Time from beginning	Period	Range	Time from beginning	
										shock was felt very severely. Some of pendulums stopped.
Chōshi	h m s 11 49 00 a.m.	m s 1 30	NNE—SSW	s 0.9	mm 5.2	s 16	s 0.7	mm 1.0	s 17	Some of pendulums stopped. Water splashed out of busckets.
Kōfu		2 00	SE—NW	1.0	2.3		1.0	1.0		Houses swang much
Nagano	11 49 09 ,,	2 25	SSW—NNE	2.0	2.0	11				At first a slight vertical motion simultaniously occurred. Slow in nature. No body felt.

EARTHQUKE OF AUGUST 31ST, 5H 06M P.M. (P. L. II., NO. 4).

This was a violent earthquake originated near the boundary between Ugo and Rikuchū, The area of disturbance extended from the southern part of Oshima province (Hokkaidō) in the north, to Ōsaka and Sakai in the west, covering an area of 197,920 square kilometres. Its longest and shortest axes were respectively 1,600 km. and 800 km. The regions where most violent shocks were felt were Nishiwaka district (Rikuchū) and Senpoku district (Ugo), covering an area of nearly 8,000 sq. km.

Two faults were produced one in the east and other in the west of the Mahiru mountain range which forms the boundary of Ugo and Rikuchū. The former made its first appearance near Ōshida village (Nishiwaka district, Rikuchū) in the upper stream of the Waka-gawa (a tributary of the Kitakami-gawa), and ran nearly along the valley through the strike N 30° E—S 30° W. Western portions of the fault were elevated while the eastern subsided, the vertical difference being about 2 metres. The fault reached Kawafune, 7 kilometres distant, without any discontinuity, and farther for more 8 km. continued its course to the west of Ōta, disapearing its way here and there. The second fault took place in Senpoku district (Ugo). The total elongation running nearly from north to south was measured to be about 60 km. between Obonai and Asamai, of which, for 25 km. in length between Shiraiwa and Kanezawa, it was most finely exposed. The eastern sides of this fault were elevated and western subsided, vertical height of the slipping being about 1.5 metres.

Let us now describe the general feature of the shock.

Akita-ken.

On the 23rd August, 4 o'clock p. m., a rather strong shock was felt, and on every following day a number of slight shocks were observed. Again, on the 31st August at 9 o'clock a. m., a strong shock was felt. Walls of old go-downs,and some of houses suffered damages. Then a series of seismic shocks and earth sound followed one after another. About 30 shocks were observed up to 5 o'clock of this evening, just as a terrible violent shock occurred. In this region, only feeble shocks were experienced before and always without accompaning sounds. Quite strong to this, of the shocks which had been occurred since the 23rd of this month, none were without rumbling

sounds. At 5^h 07^m p. m., came a great volume of sound, like a huge clap of thunder, following by a terrible strong earthquake. Houses were entirely destroyed, land slipped, and fissures were produced in the ground. 205 persons were killed, and 736 wounded.

Senpoku district,—In this district, one of the faults before mentioned occurred indeed, and the most serious damage was put on Senya-mura, Hataya-Mura and Rokugō-machi, where 74%--94% of housese were entirely or partially wrecked. Here and there, breaches and fissures were produced in the ground, from some of which water gushed out Plants and vegetables suffered serious damages.

Hiraga district,—In Yokote-machi, a violent shock began at 5^h 05^m p. m. with a tremendous sound. Vertical motion was felt at first and then came the terrible horizontal motion in the E—W. None could help standing, total duration being about 4 minutes. Wrecks of houses, fissures in the ground and slips of land were innumerable. As the most of villagers were engaged in their occupations out of doors, the number of death caused by the calamity was fortunately less in comparison. Thence in every succeeding day, a few strong and many feeble shocks were felt, the direction of vibration being generally in the NE—SW and the duration within about 5 minutes. Most of them were of horizontal motion, sometimes vertical. Sounds were like distant roaring of thunder or firing of guns. The number of shocks observed during the succeeding 6 days was reported as strong 7, weak 43 and slight 197. Besides these there were also 353 times of shock-less sounds.

Although this district suffered in general less than Senpoku district, yet in many of villages and towns the number of houses totally or partially destroyed was put at from 5% to 40%.

Okachi district,—Damage in this district was generally much inferior to Hiraga district, while some villages suffered seriously. In a village named Mitsumata, of 105 total houses, 54 were totally and 23 partially destroyed. In Tago-uchi and Guzawa, greater half of houses were wrecked; roads and embankments were greatly damaged. In the town Uzawa, rather populous in rural, the number of houses damaged was 421 in total.

Detailed statements of the calamities in Akita prefecture were as follows:—

	Sen-poku	Hiraga	Okachi	Kawabe	Minami Akita	Yuri	Yama-moto	Kita-Akita	Akita	Sum
No. of death	184	18	1	...	...	...	...	2	...	205
,, ,, wounded	603	111	21	...	...	...	...	...	1	736
,, ,, cattle: killed	130	10	...	...	...	...	...	...	...	140
,, ,, cattle: wounded	41	11	1	...	...	...	...	...	...	53
,, ,, buildings: taken fire	30	1	1	...	...	...	...	...	...	32
,, ,, buildings: totally destroyed	4,444	1,019	179	9	17	5	3	1	5	5,682
,, ,, buildings: partially destroysd	1,820	690	296	7	24	30	2	...	20	2,889
,, ,, buildings: damaged	7,233	6,707	3,415	558	253	5,156	87	99	556	24,064
Roads damaged: no.	3,725	124	161	19	6	17	3	4	...	4,059
Roads damaged: length (m)	63,947	5,980	4,883	1,102	72	769	25	108	...	76,886
Bridges damaged: no.	192	80	14	1	...	...	...	1	...	288
Bridges damaged: length (m)	1,084	2,196	95	4	...	...	...	7	...	3,386
Embankments damaged: no.	108	27	31	...	...	...	...	1	...	167
Embankments damaged: length (m)	7,911	3,962	1,453	...	...	...	...	9	...	13,335
No. of fences damaged	106	4	57	...	...	23	...	3	...	193
Land slips: no.	5,742	545	3,578	22	...	11	...	1	...	9,899
Land slips: length (m)	417,197	44,966	80,635	931	...	463	...	90	...	544,282
Area of land damaged: arable land (are)	315,301	6,129	5,470	116	346	15	2	...	...	327,379
Area of land damaged: building land (are)	2,762	436	18	5	...	47	...	...	...	3,268
Area of land damaged: forest or uncultivated field (are)	13,595	15,004	813	515	...	26	...	...	...	29,953

Iwate-ken.

The extent of the calamity in this prefecture was far inferier to Akita prefecture, but some district suffered much exceedingly. More than 50% of houses were totally destroyed in Kawafune and Ōta, near which one of the faults took place. Fissures in roads and slips of the land everywhere prevailed. Grave-stones, which stood in recesses about 10 cm. in depth were easily projected to the distance of about one metre. In Ōta, was destroyed a bell tower in a Buddhist temple, such being never seen unless very severely struck.

Details of damages in this prefecture were as follows :—

		Morioka	Minami-iwate	Kita-iwate	Shiba	Hiyenuki	Higashi-waka	Nishi-waka	Izawa	Yezashi	Nishi-hei	Minami-kunohe	Ninohe	Nishi-iwai	Sum
No. of death		...	...	...	1	1	...	2	...	...	...	...	...	..	4
,, ,, wounded		..	...	...	1	4	...	38	...	...	...	...	...	..	43
,, ,, dwelling houses	totally destroyed	...	10	...	5	44	...	51	...	...	...	...	...	..	110
	partially ,,	..	23	..	...	31	8	94	..	...	...	...	..	..	156
	damaged	68	1,050	15	230	705	690	505	26	48	3	50	8	..	3,366
Area of forest damaged (are)		..	2,003	...	1	76	1,765	...	..	...	...	...	...	20	3,867
No. of buildings except dwelling houses	totally destroyed														200
	partially ,,														153
	damaged														2,416
Bridges wrecked	no.														36
	elongation (m)														427
Enbankment wrecked	no.														3
	elongation (m)														63
Roads wrecked	no.														530
	elongation (m)														17,858
Area of arable land damaged (are)								3,485							3,485

Deducing from observations on tumbled grave-stones, damaged buildings, etc., we give the direction of the earthquake motion and its acceleration as follows : —

Locality	Direction	Acceleration	No. of houses totally destroyed	No. of houses partially destroyed	No. of houses damaged
		mm/sec²			
Rokugō (Senpoku district, Ugo province)	E 15° S -W 15° N	3,800	1,092	219	226
Ōmagari (,, ,,)	E 20 S—W 20 N	2,800	162	145	1,163
Yokozawa (,, ,,)	E 20 S—W 20 N	3,700	378	59	69
Kakunodate (,, ,,)	E 30 S—W 30 N	2,300	4	9	244
Obonai (,, ,,)	E 30 S—W 30 N	3,200	95	80	148
Kariwano (,, ,,)	SE—NW	2,500	25	18	350
Uchiotomo (,, ,,)	E—W	...	2	3	36
Yokote (Hiraga district, ,,)	E 25 S—W 25 N	2,500	72	85	1,521
Kakumagawa (,, ,,)	E 40 S—W 40 N	3,500	74	16	605
Honjō (Uri district ,,)	SE—NW	...	2	3	4,405
Akita (Minami Akita district ,,)	E 17 S—W 17 N *	...	3	12	556
Ōta (Nishiwaka district, Rikuchū province)	W 25 N—E 25 S	3,600	31	7	20
Kawajiri (,, ,,)	W 35 N—E 35 S	2,000	...	...	...
Hanamaki (Hiyenuki district, ,,)	E—W	1,800	43	32	44

* obtained from instrumental observation.

In the following, are given the results obtained at the several meteolorogical stations.

Station	Time of commencement	Duration	Max. horizontal motion			Remarks
			Direction	Period	Range	
	h m s	m s		s	mm	
Yamagata	5 08 00 p.m.	2 20	NW—SE	2.8	32.6	It was at first of rather brisk nature. People ran out of doors.
Miyako	5 09 55 ,,	3				At first, a feeble shock of quick nature was felt for 30s. Thence struck a stronger one, vertical motion simultaniously being observed. Walls were cracked, water in springs made turbulent.
Nigata	5 08 18 ,,	6 00	SSW—NNE			Pendulums stopped. Repeated shocks were observed, the number being 40 up to 10 p. m. Vertical motion occurred simultaniously.
Fushiki	5 07 00 ,,	1 56	SSE—NNW	2.3	2.6	From the beginning, horizontal as well as vertical motion simultaniously occurred, nature being rather brisk.
Hikone	5 11 25 ,,	3 33	SW—NE	1.0	1.3	No body felt, nature being slow. After 1m 26s from the beginning, the max. horizontal motion was recorded.

EARTHQUAKE OF NOVEMVER 18TH, 11H 06M A. M. (PL. II, NO. 5).

Since the violent earthquake of march 22nd, 1894, in Nemuro, there had been felt many after-shocks until at last it was visited again by a strong one on the 18th November. The extent of disturbed area was of nearly the same as usual, covering an area of 121,440 sq. km. Strong shocks were felt over the eastern portions of Hokkaidō, the area being not greater than 15,520 sq. km.

Observations at the several localities were as follows :—

	Time of commencement	Duration	Direction	Remarks
	h m s	m s		
Nemuro	11 03 21 a.m.	1 49	E—W	After the 19th sec. from the beginning, it exhibited a strong motion continuing for 5 sec. Houses swung, bodies tumbled down, liquid splashed out.
Keramui		3 00	SE—NW	Motion was horizontal. Some of articles tumbled down.
Kushiro	11 05 58 ,,	1 42	NE—SW	Slight tremor at first, thence felt severe, horizontal motion throughout. Most of people ran out of doors.
Hakodate	11 06 18 ,,	1 35	S—N	At first, slow horizontal motion in the direction E—W. After the 20th sec., it became rather strong, vibrating in the S—N.
Fukushima	11 07 51 ,,	2 27	E—W	At the 36th sec., the max. motion (0.4mm) was recorded. It was feebly felt, nature being slow.
Tōkiō	11 08 19 ,,	2 50	NNE—SSW	Max. motion was 0.4mm, period being 1.0s. None felt, nature being slow.

APPENDIX.

SEISMIC WAVE OF JUNE 15TH, 8H 07M P. M. (PL. II, NO. 6).

A great seismic wave devasted the north-eastern coast of the Main Island (the provinces Rikuzen, Rikuchū and Mutsu which are sometimes called Sanriku by the general name) at 8h 07m p. m. on the 15th June and swept away 8000 of houses and caused a loss of nearly 30,000 lives. Previous to this, at 7h 32m 30s p. m., an earthquake was felt in northeastern Japan. The area of disturbance extended to eastern Hokkaidō in the north and Kōfu in the south, covering an area of

113,440 sq. km. The intensity was rather weak but repeated shocks were iunumerable. They were felt 22 up to the midnight, 34 in the succeeding day (16th), 25 in the 17th, the number in this month being 134 in totale. At the 35th sec. from the shock above mentioned, a mountainous wave dashed the coast and the sea was troubled till the next morning.

Here we may remark that the before mentioned earthquake, which was supposed to be the cause of the disaster, was not so strong one. Judging from the isoseismal line, we see the origin was situated beneath the ocean about 200 km. east off the coast of Rikuchū. Thus the seismic intensity even at the centre seemed not to be so violent. On the other hand, the violent earthquake of 1894, which was far superior in intensity and originated in the Pacific ocean, scarcely gave rise to sea waves. Besides above, we had very often earthquakes of the same origin with larger seismic area and severer intensity but having no such tremendous waves. Also remarkable to the present shock was the great number of aftershoks, such being never experienced before. In fact, the total uumber observed in June was 96 at Aomori, 59 at Miyako and 42 at Tōkiō.

The time of the inflow of the seismic wave differed more or less according to localities, but in general the wave flowed in about 8^h 07^m p.m.. A few minutes before, the sea was receded and then with a tremendous noise the first wave washed the coast. Immediately after, the water receded again. After a pause of 8 minutes, the second huge wave of the most severe strength dashed the shore. Thence-after successive high waves devasted with the interval of about 10 minutes, amplitudes diminishing gradually.

The wave occurred highest in Yoshihama (Kisen district, Rikuchū), measuring some 20 metres along the coast facing towards the ocean and far superior along the inner bay. Northward as well as southward from this point, the height diminished gradually so that it was 10^m in Kamaishi and Ōfunado, 6^m in Miyako and Koidzumi and 2.5^m in Shidzukawa. The extent, however, of the devastation reached Hitachi in the south and Hitaka and Tokachi (Hokkaidō) in the north.

The following table gives the time of the first coming of the wave, period and height.

	Time			Period	Height
	th	h	m	s	m
Miyako, Rikuchū (meteolorogical station)	15	8	07 p.m.	10	4.5
Shidzukawa, Rikuzen (district office)		8	08 ,,	8	3.
Ayukawa, Rikuzen (tideguage station)		8	25 ,,	7	1.4
Chōshi, Shimōsa (,, ,,)		8	26 ,,	10	0.24
Misaki, Sagami (,, ,,)		8	40 ,,	15	0.21
Nemuro (,, ,,)		8	50 ,,	10	0.39
Kushimoto, Kii (,, ,,)		9	25 ,,	20	slight
Hosojima, Hyūga (,, ,,)		10	20 ,,	18	,,
Ogasawara islands	16th	4 a.m. (about)		...	1.

Along the coast of the Hawaii Islands, the wave struck at about 8^h a. m. on the 16th, and reached 3 metres. Also along the coast of Sanfrancisco, waves 1.5 metres high occurred early in this morning.

The record of the Ayukawa tidegauge shows that the sea, which was calm as on ordinaly occasions, suddenly receded by about 20^{cm} at 8^h 20^m p. m. on the 15th June, that is to say, at the hour when the gauge ought to have indicated flood time. At half past 8 o'clock large wave struck the

instrument and caused it to indicate a height of 1.10 metres. Subsequently, with the period 7 or 8 minutes, the indicator rose and fell, recording about 2.50^m of the max. range. From about 2 o'clock of the next morning, the altitude of the wave grew lower and lower, but several days elasped before the sea resumed its normal condition.

The diagram obtained at Chōshi represented a height of 25^{cm} suddenly at 8^h 26^m p. m., and 10 minutes afterward it fell, showing the total range of 45^{cm}. Thenceforth, the waves of some 20—30^{cm} high dashed on succeively at interval of 10 minutes. On the 25^{th}, the sea nearly resumed its normal condition.

Of the tide gauges on the beaches of districts bordering the Japan Sea which lies north of the Main Island, we could find no abnormality.

According to the observation of the Miyako meteolorogical station, at 6^h 32^m 30^s p. m., a weak shock of earthquake was felt, lasting for about 5 minutes. Its direction was ENE—WSW and nature was extremely slow. At 7^h 53^m 30^s; at 8^h 2^m 35^s; at 8^h 23^m 15^s; at 8^h 33^m 10^s; and at 8^h 59^m slight shocks were again perceived. Further, between 9 and 10 p. m. four shocks were experienced, between 10 and 11 p. m., one shock, and between 11 and midnight, two shocks—in all 13 seismic movements. At about 50 minutes past 7, the sea began to recede. At about 8 o'clock, the water rose, but fell somewhat in a few minutes. At 8^h 07^m p. m. the biggest wave about 4.5^m high, came on with a fearful booming sound, and instantly swept away all houses or living things that were in its path. Subseqnently, six waves of more or less volume rolled in, and till noon of the following day similar abnormal seas swept the coast.

Extent of the calamity, as classified according to the respective district, was as follows:—

Iwate-ken.

Kisen district,—The area of devastation was widest in this district and the damage was consequently considerable. In the hamlet called Mutsugawa, the wave wrecked houses standing at a height of 15 metres above the sea, and boats were swept inland to elevations not less high. In the village Yoshihama and Tōni nearly all the houses were swept away. Trees along the coast were entirely uprooted, and wide area of arable land was devasted. Number of death was 6,800 in total.

Minami-Hei district,—The extent of area devasted in this district was considerably smaller than that of the above but the casualities in some parts were far more serious. Kamaishi was a town of some 1,200 houses and over 6,000 inhabitants. All the houses, except a hundred, were washed away; the streets being turned into a mass of ruins, and the corpses of the dead being strewn everywhere. Farms along the coast were overlaid with mud. Boats were swept inland. In this district, over 6,600 persons were killed.

Higashi-hei district,—In this district the village Tarō suffered most from the wave, which rose there to a height of above 10 metres. So irrestible was the force of the water that more than 100 pine trees, measuring two spans in circumference, were broken off at the base, and a sailng vessel was cast on the side of a hill, 200 metres from the beach. In Yamada-machi, more than 1,000 people were killed.

In the following we give the detailes of casualities in Iwate prefecture.

District	Kisen	Minami-hei	Higashi-hei	Kita-hei	Minami-kunohe	Kita-kunohe	Sum
Original polulation	33,609	16,259	28,328	7,153	13,448	7,777	106,574
No. of death	6,816	6,669	6,704	1,680	1,074	366	23,309
,, ,, wounded	318	1,414	1,370	425	694	175	4,396
Original no. of houses	4,860	2,926	5,308	1,181	2,133	1,068	17,476
No. of houses carried away	1,518	1,799	1,802	298	320	183	5,920
,, ,, ,, partially wrecked	361	—	335	238	—	—	934
Length of roads damaged (m)	30,620	5,393	13,414	3,330	6,061	1,746	60,564
No. of bridges swept away	75	2	60	8	3	26	174
No. of bridges wrecked	2	5	5	...	3	...	15
Length of embankment swept away or broken (m)	33.728	851	...	...	990	...	35,569
Area of land damaged (hectare)	399	190	343	149	331	40	1,451
No. of boats swept away or wrecked	1.586	437	1,458	639	272	571	4,966
No. of cattle drowned	645	220	264	28	63	44	1,264
No. of stables swept away	681	139	630	137	212	51	1,850

Aomori-ken.

Aomori prefecture suffered from the wave far inferior to Iwate prefecture, yet the details of damages were reported as follows —

District	Kamikita	Saunohe	Sum
Original population	3,897	11.014	14,911
No. of death	267	49	316
,, ,, wounded	202	12	214
No. of cattle killed	11	1	12
No. of houses swept away	483	106	589
No. of houses wrecked	120	139	259
Area of land damaged: arable land (are)	144	6,128	6,272
Area of land damaged: building land (are)	...	970	970
Area of land damaged: forest or uncultivated field (are)	...	4,930	4,930
No. of bridges swépt or wrecked	...	5	5
Length of enbankment swept away or wrecked (m)	...	2,340	2,340
No. of boats swept away	37	342	379
No. of boats wrecked	20	198	218

Miyagi-ken.

In this prefecture, the village Karakuwa (Motoyoshi district), especially along its northeastern coast, suffered most from the wave, where it reached about 10 metres. In general, the places directly facing towards the Pacific ocean were much devasted. Thus the village Koidzumi was totally ruined and only a few of houses remained, these being on an elevation.

Summaring the casualities in the three districts Motoyoshi, Momofu and Oshika, they were as follows:

No. of death		3,456
,, ,, wounded		1,245
,, ,, cattle killed		650
,, ,, houses	swept away	984
	totally wrecked	109
	partially ,,	271
,, ,, buildings	swept away	3,124
	total wrecked	385
	partlally wrecked	469
,, ,, boats swept away or wrecked		1,385
Area of land laid waste (hectare)		246

SEISMOLOGICAL OBSERVATIONS

IN

TOKIO.

During this year, 227 earthquakes were obserbed at the Central Meteolorogical Observatory. Among the total, one was strong 38 were weak and 188 slight. The following table gives the details as to the date, time, direction and intensity of each shock.

Date	Time of occurrence	Duration	Horizontal motion					Vertical motion	
			Direction	Period of max. motion	Max. range	Max. velocity	Max. acceleration	Period of max. motion	Max. range
	h m s	m s		s	mm	$\frac{mm}{sec}$	$\frac{mm}{sec^2}$	s	mm
Jan. 1	9 11 23 pm	10	S—N	0.3	0.2	2.1	43.9	—	—
2	6 13 19 pm	—	—	—	slight	—	—	—	—
3	10 12 21 pm	—	—	—	slight	—	—	—	—
5	11 24 27 pm	—	—	—	slight	—	—	—	—
7	4 10 56 pm	—	—	....	slight	—	—	—	—
7	7 00 44 pm	—	—	—	slight	—	—	—	—
9	10 17 16 pm	9 23	S—N	2.2	16.2	23.1	66.1	0.5	0.4
9	10 42 20 pm	—	—	—	slight	—	—	—	—
9	10 50 37 pm	—	—	—	slight	—	—	—	—
9	11 14 49 pm	—	—	—	slight	—	—	—	—
10	0 31 42 am	2 15	S—N	0.9	0.5	1.7	12.2	—	—
10	0 39 09 am	—	—	—	slight	—	—	—	—
10	0 46 17 am	—	—	—	slight	—	—	—	—
10	0 46 32 am	—	—	—	slight	—	—	—	—
10	1 22 01 am	—	—	—	slight	—	—	—	—
10	2 12 51 am	—	—	—	slight	—	—	—	—
10	2 50 24 am	—	—	—	slight	—	—	—	—
10	5 52 20 am	2 43	NW—SE	1.4	1.2	2.7	12.1	—	—
10	6 41 41 am	—	—	—	slight	—	—	—	—
10	7 04 21 am	—	—	—	slight	—	—	—	—
10	11 24 29 am	4 22	S—N	1.3	1.7	4.1	19.9	-	—
10	11 58 04 am	—	—	—	slight	—	—	—	—
10	4 42 46 pm	4 00	ESE—WNW	1.2	1.0	2.6	13.7	—	—
10	8 08 44 pm	—	—	—	slight	—	—	—	—
10	10 21 59 pm	—	—	—	slight	—	—	—	—
11	0 33 05 am	—	—	—	slight	—	—	—	—
11	5 50 08 am	—	—	—	slight	—	—	—	—
11	7 06 43 am	—	—	—	slight	—	—	—	—
11	8 49 12 am		—	—	slight	—	—	—	—
11	10 36 45 am	—	—	—	slight	—	—	—	—
11	4 47 30 pm	—	—	—	slight	—	—	—	—
12	11 08 37 pm	36	E—W	0.2	0.4	6.3	197.4	0.2	0.2
13	5 26 35 am	—	—	—	slight	—	—	—	—
15	4 24 54 am	—	—	—	slight	—	—	—	—
16	2 42 31 am	—	—	—	slight	—	—	—	—
16	4 14 25 am	—	—	—	slight	—	—	—	—
19	6 08 22 pm	2 10	S—N	1.0	0.3	0.9	5.9	—	—
22	3 11 25 am	—	—	—	slight	—	—	—	—
22	4 43 40 am	2 50	NNW—SSE	0.5	2.3	14.5	181.6	—	—
22	5 28 15 am	30	NNE—SSW	0.2	0.3	4.7	148.0	—	—
22	7 14 27 am	—	—	—	slight	—	—	—	—
22	6 14 29 pm	—	—	—	slight	—	—	—	—
Feb. 2	3 30 09 am	—	—	—	slight	—	—	—	—
2	5 02 06 am	—	—	—	slight				

Date	Time of occurrence	Duration	Horizontal motion					Vertical motion	
			Direction	Period of max. motion	Max. range	Max. velocity	Max. acceleration	Period of max. motion	Max. range
	h m s	m s		s	mm	mm/sec	mm/sec²	s	mm
Feb. 5	10 30 12 am	—	—	—	slight	—	—	—	—
5	5 10 17 pm	—	—	—	slight	—	—	—	—
9	7 47 21 pm	—	—	—	slight	—	—	—	—
12	6 37 44 am	1 09	NNW—SSE	0.5	0.3	1.9	23 7	—	—
14	1 56 11 am	40	S—N	1.0	0.3	0.9	5.9	—	—
14	2 03 44 am	—	—	—	slight	—	—	—	—
15	1 16 20 am	—	—	—	slight	—	—	—	—
18	10 19 27 pm	—	—	—	slight	—	—	—	—
23	7 41 47 pm	3 55	SE—NW	1.0	3.7	11.6	73.0	—	—
23	9 35 50 pm	—	—	—	sli. ht	—	—	—	—
24	9 56 03 pm	—	—	—	slight	—	—	—	—
25	0 59 59 am	—	—	—	slihgt	—	—	—	—
25	7 58 25 am	—	—	—	slight	—	—	—	—
28	9 35 15 am	—	—	—	slight	—	—	—	—
29	5 56 35 am	37	E—W	0.3	0.2	2.1	43.9	—	—
29	11 27 02 pm	—	—	—	slight	—	—	—	—
March 1	5 29 25 pm	—	—	—	slight	—	—	—	—
6	7 40 44 pm	—	—	—	slight	—	—	—	—
6	11 51 31 pm	2 00	NE—SW	0.6	4.3	22.5	235.8	0.6	0.4
9	10 16 15 am	—	—	—	slight	—	—	—	—
10	8 54 48 pm	—	—	—	slight	—	—	—	—
12	7 12 16 am	—	—	—	slight	—	—	—	—
13	2 36 23 am	—	—	—	slight	—	—	—	—
14	4 44 32 am	—	—	—	slight	—	—	—	—
14	10 15 32 pm	—	—	—	slight	—	—	—	—
14	11 41 48 pm	—	—	—	slight	—	—	—	—
16	10 33 14 pm	—	—	—	slight	—	—	—	—
17	2 37 08 am	—	—	—	slight	—	—	—	—
20	3 35 57 am	—	—	—	slight	—	—	—	—
20	11 32 20 am	—	—	—	slight	—	—	—	—
26	6 28 49 pm	—	—	—	slight	—	—	—	—
April 1	2 53 13 am	—	—	—	slight	—	—	—	—
1	2 50 27 pm	—	—	—	slight	—	—	—	—
2	1 41 55 am	1 18	E—W	1.2	0.2	0.5	2.7	—	—
2	11 38 57 am	—	—	—	slight	—	—	—	—
10	5 39 53 pm	45	S—N	0.5	0.2	1.3	15.8	—	—
11	7 35 35 am	—	—	—	slight	—	—	—	—
11	10 59 49 pm	2 52	NNW—SSE	0.3	1.5	15.7	329.0	0.3	0.2
13	10 05 07 pm	—	—	—	slight	—	—	—	—
13	10 13 47 pm	—	—	—	slight	—	—	—	—
15	7 41 39 am	—	—	—	slight	—	—	—	—
15	8 26 27 pm	—	—	—	slight	—	—	—	—
19	7 59 02 pm	4 07	NNW—SSE	1.2	0.9	2.4	12.3	—	—
20	1 36 17 am	1 50	WNW—ESE	1.5	0.6	7.9	5.3	—	—
20	0 23 13 pm	—	—	—	slight	—	—	—	—
21	9 05 03 am	1 57	NE—SW	1.6	0.6	1.2	4.6	—	—
21	0 19 40 pm	—	—	—	slight	—	—	—	—
23	0 37 41 am	—	—	—	slight	—	—	—	—
23	5 08 45 am	1 21	NNW—SSE	0.3	0.5	5.2	109.7	—	—
24	7 02 37 am	—	—	—	slight	—	—	—	—
24	10 49 56 am	2 06	NNW—SSE	0.7	2.5	11.2	100.7	0.6	0.2
25	5 28 11 am	—	—	—	slight	—	—	—	—
May 4	7 37 42 pm	—	—	—	slight	—	—	—	—
5	3 01 50 am	—	—	—	slight	—	—	—	—
7	2 37 17 pm	1 55	WNW—ESE	1.3	0.8	1.9	9.3	—	—
11	11 32 58 pm	—	—	—	slight	—	—	—	—
16	0 24 13 am	1 25	SE—NW	0.4	0.4	3.1	49.3	0.3	0.1
17	3 39 59 pm	2 20	WNW—ESE	1.2	1.8	4.7	21.7	0.7	0.2
21	3 58 33 am	—	—	—	slight	—	—	—	—
26	6 43 31 pm	—	—	—	slight	—	—	—	—
26	8 20 54 pm	30	NE—SW	0.3	0.3	3.1	65.8	—	—
29	1 18 50 am	—	—	—	slight	—	—	—	—
June 1	7 15 52 pm	—	—	—	slight	—	—	—	—
4	3 32 52 am	—	—	—	slight	—	—	—	—
6	6 26 41 pm	—	—	—	slight	—	—	—	—
7	11 18 15 am	—	—	—	slight	—	—	—	—
7	9 50 09 pm	—	—	—	slight	—	—	—	—
8	5 23 36 pm	—	—	—	slight	—	—	—	—

Date		Time of occurrence	Duration	Horizontal motion					Vertical motion	
				Direction	Period of max. motion	Max. range	Max. velocity	Max. acceleration	Period of max. motion	Max. range
		h m s	m s		s	mm	mm/sec	mm/sec²	s	mm
June	11	6 02 17 am	—	—	—	slight	—	—	—	—
	11	9 51 59 pm	—	—	—	slight	—	—	—	—
	14	11 03 08 pm	—	—	—	slight	—	—	—	—
	15	5 44 43 pm	—	—	—	slight	—	—	—	—
	15	7 34 14 pm	3 48	WNW—ESE	1 3	0.8	1.9	9.3	—	—
	15	7 44 00 pm	—	—	—	slight	—	—	—	—
	15	8 33 53 pm	—	—	—	slight	—	—	—	—
	15	9 00 38 pm	—	—	—	slight	—	—	—	—
	15	9 02 31 pm	—	—	—	slight	—	—	—	—
	15	9 14 14 pm	—	—	—	slight	—	—	—	—
	15	9 27 35 pm	—	—	—	slight	—	—	—	—
	15	9 56 39 pm	—	—	—	slight	—	—	—	—
	16	0 49 48 am	—	—	—	slight	—	—	—	—
	16	1 05 22 am	—	—	—	slight	—	—	—	—
	16	1 32 14 am	—	—	—	slight	—	—	—	—
	16	1 47 02 am	—	—	—	slight	—	—	—	—
	16	4 16 30 am	4 55	WNW—ESE	0.8	0.4	1.6	12.3	—	—
	16	5 01 09 am	—	—	—	slight	—	—	—	—
	16	6 40 01 am	—	—	—	slight	—	—	—	—
	16	8 01 14 am	3 20	ENE—WSW	1.0	0.3	0.9	5.9	—	—
	16	8 15 20 am	—	—	—	slight	—	—	—	—
	16	8 16 29 am	—	—	—	slight	—	—	—	—
	16	9 32 01 am	—	—	—	slight	—	—	—	—
	16	9 47 11 am	—	—	—	slight	—	—	—	—
	16	0 26 12 pm	...	—	—	slight	—	—	—	—
	16	1 15 03 pm	—	—	—	slight	—	—	—	—
	16	1 28 38 pm	—	—	—	slight	—	—	—	—
	16	1 29 48 pm	—	—	—	slight	—	—	—	—
	16	3 11 31 pm	—	—	—	slight	—	—	—	—
	16	4 23 27 pm	—	—	—	slight	—	—	—	—
	16	4 44 58 pm	—	—	—	slight	—	—	—	—
	16	5 44 18 pm	—	—	—	slight	—	—	—	—
	16	6 31 18 pm	—	—	—	slight	—	—	—	—
	16	9 58 03 pm	—	—	—	slight	—	—	—	—
	16	10 33 29 pm	1 05	NNE—SSW	0.7	0.2	0.9	8.1	—	—
	17	7 47 27 am	—	—	—	slight	—	—	—	—
	17	8 41 19 am	—	—	—	slight	—	—	—	—
	17	10 30 20 am	—	—	—	slight	—	—	—	—
	17	0 48 28 pm	3 25	ENE—WSW	1.4	0.4	0.9	4.0	—	—
	17	3 13 39 pm	—	—	—	slight	—	—	—	—
	18	5 49 38 pm	—	—	—	slight	—	—	—	—
	22	2 55 59 pm	—	—	—	slight	—	—	—	—
	24	11 24 17 pm	—	—	—	slight	—	—	—	—
	25	2 09 19 pm	—	—	—	slight	—	—	—	—
	26	7 27 04 pm	—	—	—	slight	—	—	—	—
	30	7 26 03 am	—	—	—	slight	—	—	—	—
July	1	5 30 43 am	—	—	—	slight	—	—	—	—
	1	7 13 50 pm	—	—	—	slight	—	—	—	—
	3	11 38 17 pm	—	—	—	slight	—	—	—	—
	5	4 59 28 pm	—	—	—	slight	—	—	—	—
	6	0 25 57 am	—	—	—	slight	—	—	—	—
	6	2 21 25 am	—	—	—	slight	—	—	—	—
	7	6 35 26 pm	—	—	—	slight	—	—	—	—
	8	9 39 33 am	—	—	—	slight	—	—	—	—
	9	10 03 40 am	—	—	—	slight	—	—	—	—
	10	4 49 20 pm	—	—	—	slight	—	—	—	—
	11	7 44 27 am	—	—	—	slight	—	—	—	—
	12	9 35 26 pm	—	—	—	slight	—	—	—	—
	13	7 53 35 pm	—	—	—	slight	—	—	—	—
	15	10 31 12 pm	—	—	—	slight	—	—	—	—
	16	9 43 20 pm	—	—	—	slight	—	—	—	—
	17	10 41 47 pm	—	—	—	slight	—	—	—	—
	18	0 59 44 pm	1 58	NNW—SSE	0.6	0.7	3.7	38.4	—	—
	18	3 34 17 pm	—	—	—	slight	—	—	—	—
	19	4 12 32 pm	—	—	—	slight	—	—	—	—
	19	7 44 15 pm	—	—	—	slight	—	—	—	—
	29	0 56 33 pm	—	—	—	slight	—	—	—	—
	29	5 43 36 pm	2 16	NE—SW	0.8	3.2	12.6	98.7	0.6	0.2
Aug.	1	11 49 04 am	2 07	NW—SE	0.8	2.2	8.6	67.9	0.4	0.3

Date		Time of occurrence	Duration	Horizontal motion					Vertical motion	
				Direction	Period of max. motion	Max. range	Max. velocity	Max. acceleration	Period of max. motion	Max. range
		h m s	m s		s	mm	mm/sec	mm/sec²	s	mm
Aug.	11	8 23 34 am	20	NE—SW	0.3	0.6	6.3	131.6	—	—
	12	4 31 56 pm	—	—	—	slight	—	—	—	—
	13	10 50 37 am	—	—	—	slight	—	—	—	—
	14	7 33 28 am	—	—	—	slight	—	—	—	—
	14	8 51 21 am	—	—	—	slight	—	—	—	—
	17	4 28 48 am	—	—	—	slight	—	—	—	—
	20	6 05 37 pm	50	ENE—WSW	0.3	2.9	30.4	636.0	0.2	0.2
	21	1 24 41 am	—	—	—	slight	—	—	—	—
	23	1 37 10 pm	—	—	—	slight	—	—	—	—
	24	5 49 37 pm	—	—	—	slight	—	—	—	—
	25	10 42 45 am	—	—	—	slight	—	—	—	—
	27	7 25 00 pm	—	—	—	slight	—	—	—	—
	29	7 01 01 pm	—	—	—	slight	—	—	—	—
	30	7 32 11 am	—	—	—	slight	—	—	—	—
	31	8 38 21 am	—	—	—	slight	—	—	—	—
	31	4 42 11 pm	—	—	—	slight	—	—	—	—
	31	5 09 33 pm	—	—	—	slight	—	—	—	—
Sept.	1	2 56 51 pm	—	—	—	slight	—	—	—	—
	4	3 15 27 pm	—	—	—	slight	—	—	—	—
	5	11 07 46 pm	—	—	—	slight	—	—	—	—
	10	11 17 53 am	—	—	—	slight	—	—	—	—
	12	8 12 54 pm	—	—	—	slight	—	—	—	—
	12	11 16 25 pm	—	—	—	slight	—	—	—	—
	19	8 59 21 pm	—	—	—	slight	—	—	—	—
Oct.	1	2 38 07 pm	—	—	—	slight	—	—	—	—
	7	9 22 35 am	—	—	—	sligh[illegible]	—	—	—	—
	8	1 43 08 pm	—	—	—	slight	—	—	—	—
	10	10 56 01 am	—	—	—	slight	—	—	—	—
	28	5 51 26 pm	—	—	—	slight	—	—	—	—
Nov.	6	7 42 59 pm	—	—	—	slight	—	—	—	—
	7	11 07 17 am	—	—	—	slight	—	—	—	—
	10	8 04 21 am	—	—	—	slight	—	—	—	—
	11	1 36 58 pm	—	—	—	slight	—	—	—	—
	13	0 13 41 pm	—	—	—	slight	—	—	—	—
	16	6 04 02 pm	—	—	—	slight	—	—	—	—
	18	11 08 19 am	2 50	NNE—SSW	1.0	0.4	1.3	7.9	—	—
Dec.	7	10 37 29 am	—	—	—	slight	—	—	—	—
	9	7 56 41 am	—	—	—	slight	—	—	—	—
	10	4 44 01 pm	—	—	—	slight	—	—	—	—
	12	11 22 24 am	—	—	—	slight	—	—	—	—
	13	4 02 47 pm	—	—	—	slight	—	—	—	—
	17	1 17 25 am	47	SSE—NNW	0.2	1.9	29.8	937.6	0.2	0.4
	17	6 14 06 pm	—	—	—	slight	—	—	—	—
	20	5 03 38 am	—	—	—	slight	—	—	—	—
	28	8 59 24 am	—	—	—	slight	—	—	—	—
	29	7 06 06 am	—	—	—	slight	—	—	—	—

Among these shocks, the strongest was the earthquake of January 9th, at $10^h\ 17^m\ 16^s$ p. m. It began with a preliminary tremor. At the 30th sec. from the beginning, the range of motion increased a little. The vibration was slow in nature, its range being 1^{mm} with the period of 1^{sec}. At the 40th sec., the vibration exhibited somewhat quick nature, and vertical motion also became considerable. 10 sec. afterward, vibration returned to be slow again, but the range of motion began to increase rapidly. At the 70th sec., the max. horizontal motion was observed, its range being 16.2^{mm} in the direction S—N with the period of 2.2^{sec}. The vertical motion was then 0.4^{mm} in range, 0.5^{sec}. in period. The total duration was $9^m\ 23^s$. The earthquake orginated under the Kashima Sea, and in the neighbourhood of Mito it was strong enough to give some damages. Notwithstanding its large amplitude, the damage was comparatively small, nature of vibration being slow. In Tōkiō, the intensity was only enough to stop some pendulums (see Description of

Special Earthquakes). Maximum velocity of the ground was $23\frac{mm}{sec.}$ and maximum accelaration $66\frac{mm}{sec^2}$.

The next strong one occurred on March 6th, at $11^h\ 51^m\ 31^s$ p. m. From the beginning, horizontal as well as vertical motion simultaniously appeared with the vibration of brisk nature. At the 13th sec., maximum horizontal motion was suddenly observed. The range was 4.3^{mm}, the period $0.6^{sec.}$ and the direction in the NE—SW. At the instant, the vertical motion also increased its amplitude but it elasped 4 sec. when the maximum was attained. The range of the maximum vertical motion was 0.4^{mm} and the period 0.6 sec.. The total duration was about 2 minutes. The maximum velocity was $22\frac{mm}{sec.}$ and the acceleration $236\frac{mm}{sec^2}$. The earthquake was not of a large amplitude but brisk in nature, and it was felt pretty strong.

FREQUENCY AND SEASON.

The earthquake observed in this year was of a great number, rarely seen in recent years The total number, in fact, was twice that of the normal. Such was, of course, pricipally due to the Sanriku earthquake (June 15th) and the Hitachi earthquake (January 9th). Local shocks, however, were experienced below the normal, the number being 44.

The following table gives the distribution of earthquakes in each month.

Month	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Sum
Frequency	42	18	15	21	10	52	22	18	7	5	7	10	227

This shows that the earthquakes were most frequent in June (52 times), next in January (42 times), while they were least in October (5 times). On the average there were about 19 shocks in a month, but the average of purely local shocks only amounted to 4.

If we divide them according to four seasons, we have:—

Season	Spring	Summer	Autumn	Winter	Mean
Frequency	46	92	19	70	56.7

The number was greatest in summer and least in autumn, the ratio being 5 : 1. Such a great number in the summer was quite abnormal.

Again if we divide them according to cold and hot seasons, we have 97 times in the cold season and 130 times in the hot, the difference being 33.

TIME OF OCCURRENCE.

The following table gives the number of earthquakes in different hours of the day

Month / Hour	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Sum
0— 1 am	5	1	...	1	1	1	1	...	...	...	...	...	10
1— 2 ,,	1	2	...	2	1	3	...	1	...	...	...	1	11
2— 3 ,,	3	1	2	1	...	...	1	...	...	...	...	...	8
3— 4 ,,	1	1	1	...	2	1	...	...	...	...	...	...	6
4— 5 ,,	3	...	1	...	...	1	...	1	...	...	...	...	6
5— 6 ,,	4	2	...	2	...	1	1	...	...	...	...	1	11
6— 7 ,,	1	1	...	...	...	2	...	...	...	...	...	...	4
7— 8 ,,	3	1	1	3	...	2	1	2	...	...	...	2	15
8— 9 ,,	1	...	...	...	...	4	...	3	...	...	1	1	10
9—10 ,,	...	1	...	1	...	2	1	...	...	1	...	...	6
10—11 ,,	1	1	1	1	...	1	1	2	...	1	...	...	10
11—Noon	2	...	1	1	...	1	...	1	1	...	2	1	10
0— 1 pm	...	...	...	2	...	2	2	...	...	...	1	...	7
1— 2 ,,	...	...	...	...	...	3	...	1	...	1	1	...	6
2— 3 ,,	...	...	...	1	1	2	...	...	1	1	...	...	6
3— 4 ,,	...	...	...	...	1	2	1	...	1	...	...	...	5
4— 5 ,,	3	...	...	...	...	2	3	3	...	...	...	2	13
5— 6 ,,	...	1	1	1	...	4	1	1	...	1	...	...	10
6— 7 ,,	3	...	1	...	1	3	1	1	...	...	1	1	12
7— 8 ,,	1	2	1	1	1	4	3	2	...	...	1	...	16
8— 9 ,,	1	...	1	1	1	1	...	...	2	...	...	...	7
9—10 ,,	1	2	...	...	...	7	2	...	...	...	...	...	12
10—11 ,,	5	1	2	3	...	1	2	...	...	...	...	...	14
11—M.N.	3	1	2	...	1	2	1	...	2	...	...	...	12
Total	42	18	15	21	10	52	22	18	7	5	7	10	227

Thus we see that the greatest number observed was 16 during the time interval 7—8 p. m. the next 15 between 7—8 a. m. and the least was 4 between 6—7 a. m. the next 5 between 3—4 p. m. 13 more shocks were observed during afternoon than during beforenoon. Again if we take 6 o'clock as the boundary between day and night, 23 more shocks were felt during night than daytime.

DIRECTION OF MOTION.

The direction of the earthquake motion is generally variable. But the greater parts observed in Tōkiō had taken nearly in the direction of N—S. The result of observations in this year was also such.

If we classify the above 227 shocks according to the directions of their maximum ranges, we have:—

Direction	S—N	SSW—NNE	SW—NE	WSW—ENE	E—W	ESE—WNW	SE—NW	SSE—NNW	Uncertain
Frequency	7	3	5	3	3	6	4	8	188

Thus the most frequent direction was SSE—NNW (8 times), the next S—N (7 times), and the least SSW—NNE, WSW—ENE and E—W (each 3 times). In 188 slight shocks, the direction was uncertain.

NATURE OF SHOCKS.

In some shocks, the motion is horizontal, in others vertical component is also observed.

Some vibrations are brisk and others slow. Generally speaking, when the origin is near, the vibrations are quicker with more or less conspicuous vertical motion, while, when the origin is remote, only slow horizontal motions are felt.

When the mean period of the complete vibration is less than 1 sec., the shock is taken as quick and when greater as slow.

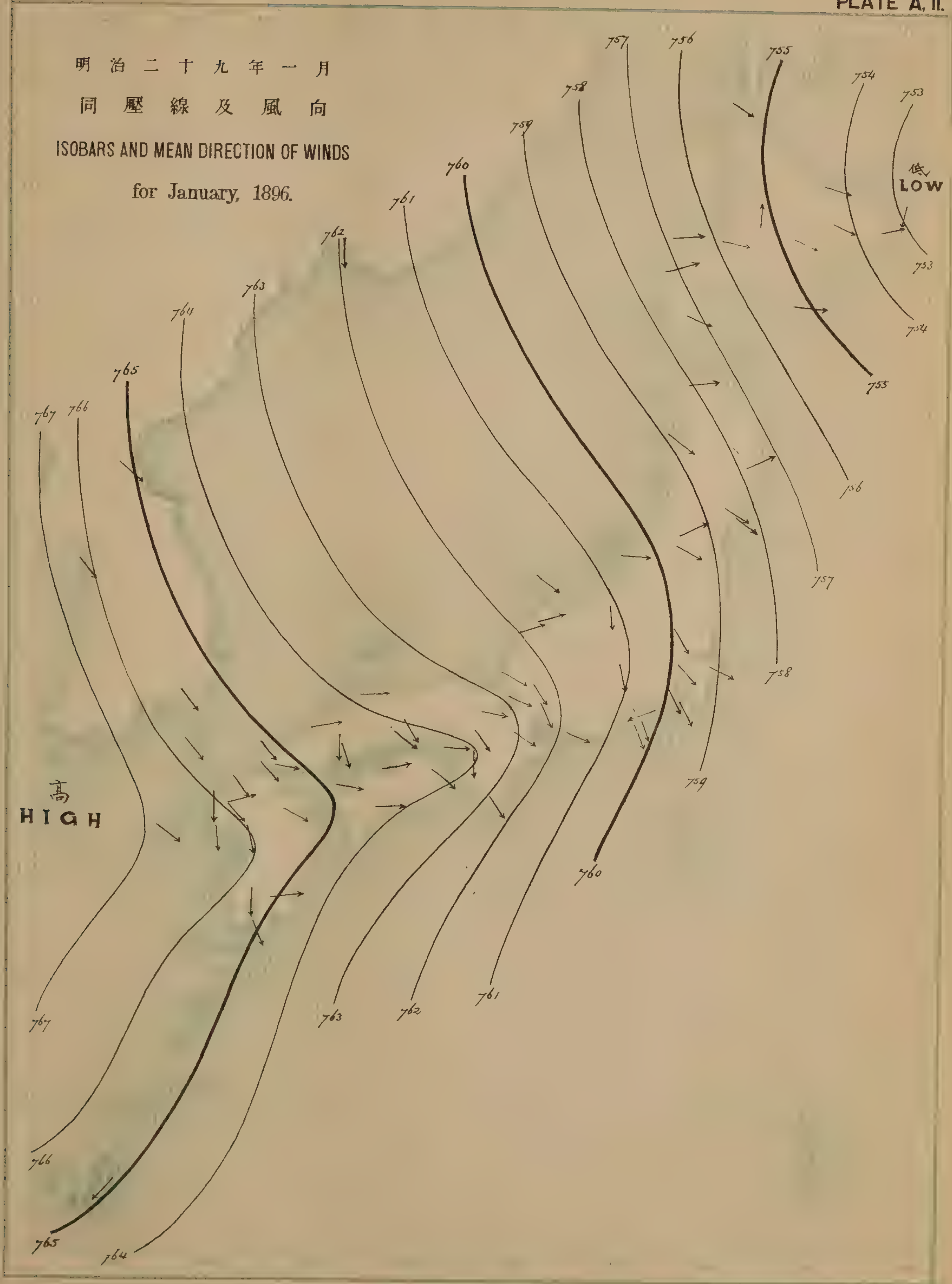
Thus we classify the 227 shocks as follows:—

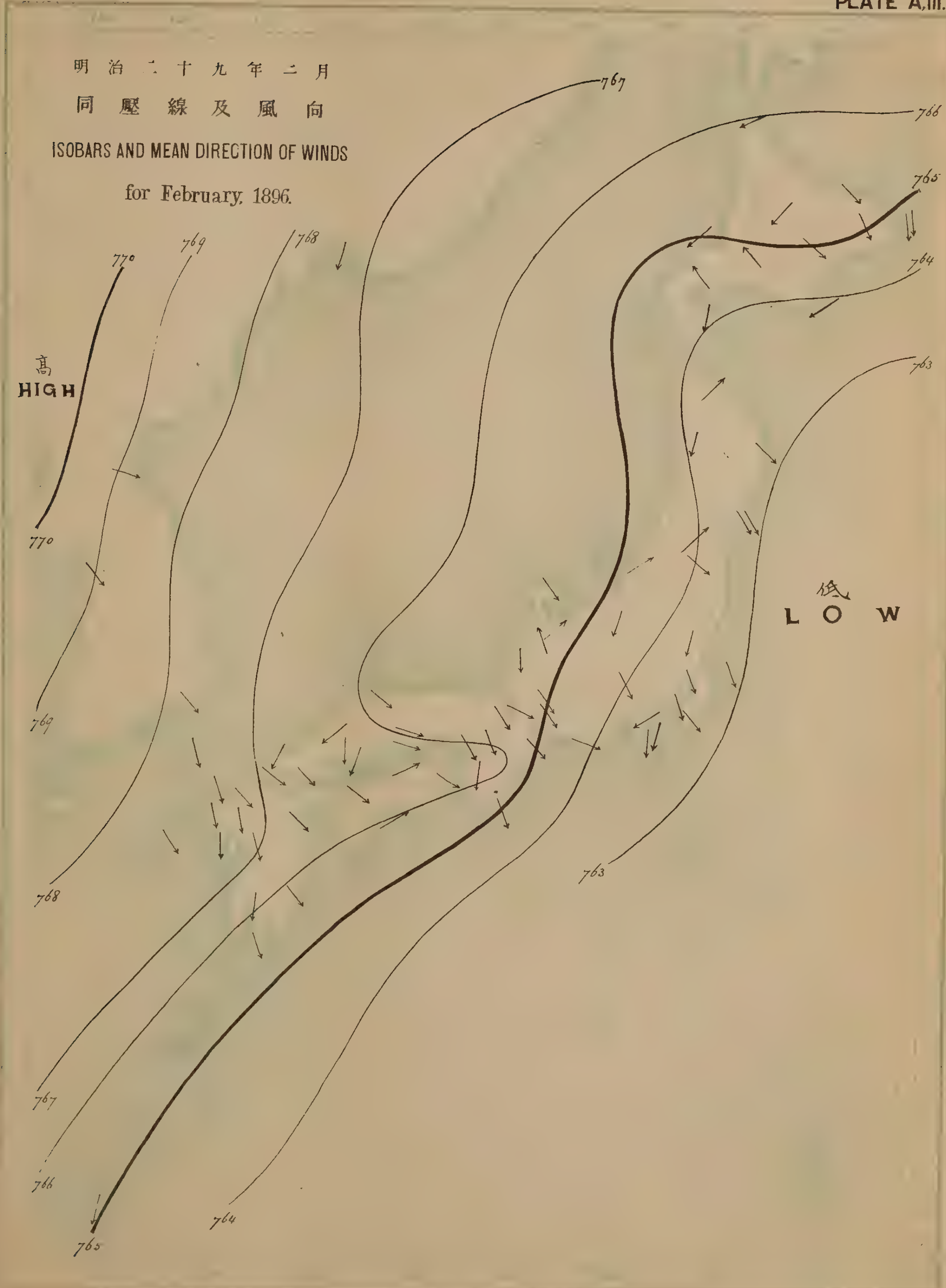
Nature \ Month	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Sum
Horizontal and vertical	2	...	1	2	2	...	1	2	...	...	...	1	11
Horizontal	8	4	...	6	2	5	1	1	...	...	1	...	28
Quick	4	2	1	4	2	1	1	2	...	...	...	1	18
Slow	6	2	...	4	2	4	1	1	...	...	1	...	21
Uncertain	32	14	14	13	6	47	20	15	7	5	6	9	188

From the table we see that in 28 cases, the horizontal motion was only observed, and in II cases, both horizontal and vertical were observed. The vibrations were quick in 18 cases and slow in 21 cases, the difference being 3.

Local earthquakes of some strong nature had not been rare before in Tōkiō, but those observed in this year were all slight ones and the strong shocks felt were all of distant origin so that the shocks with vertical motion and of brisk nature were of a small number.

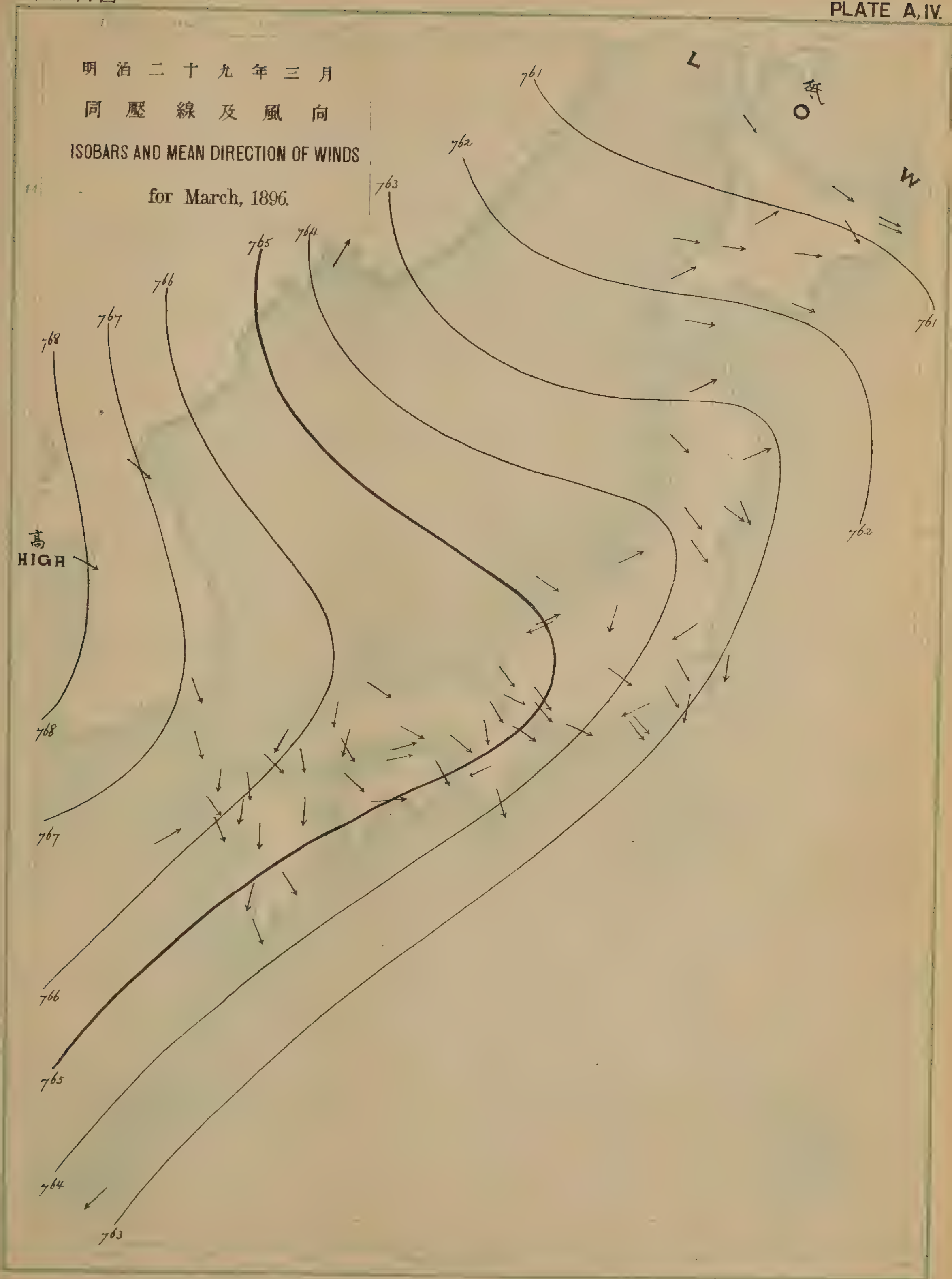

明治二十九年
同壓線及風向
ISOBARS AND MEAN DIRECTION OF WINDS
for the year, 1896.
L 低 O W
759
759
760
760
761
761
762
762
763
763
高
HIGH

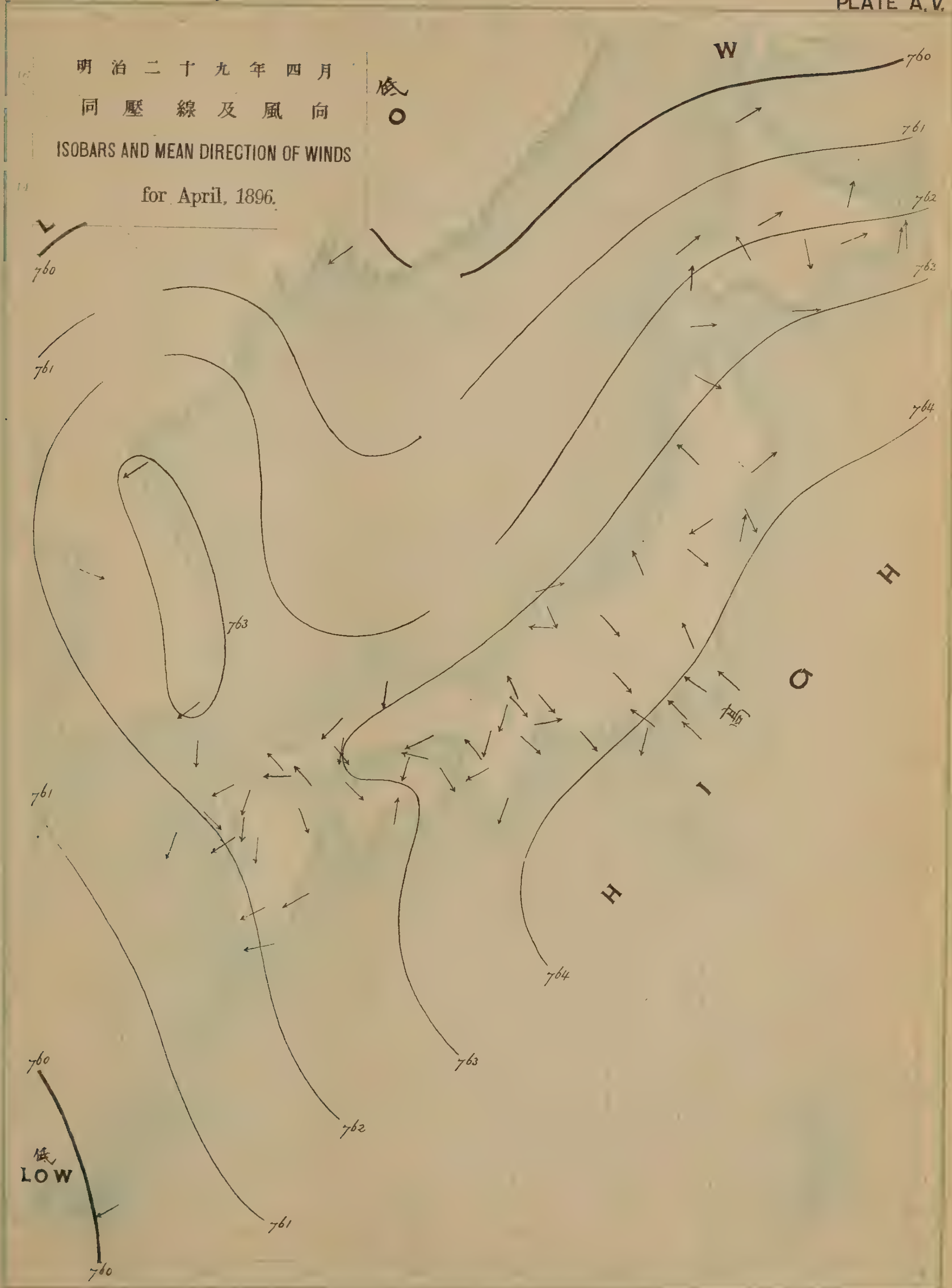

明治二十九年一月
同壓線及風向
ISOBARS AND MEAN DIRECTION OF WINDS
for January, 1896.
高
HIGH
低
LOW
767
766
765
764
763
762
761
760
759
758
757
756
755
754
753

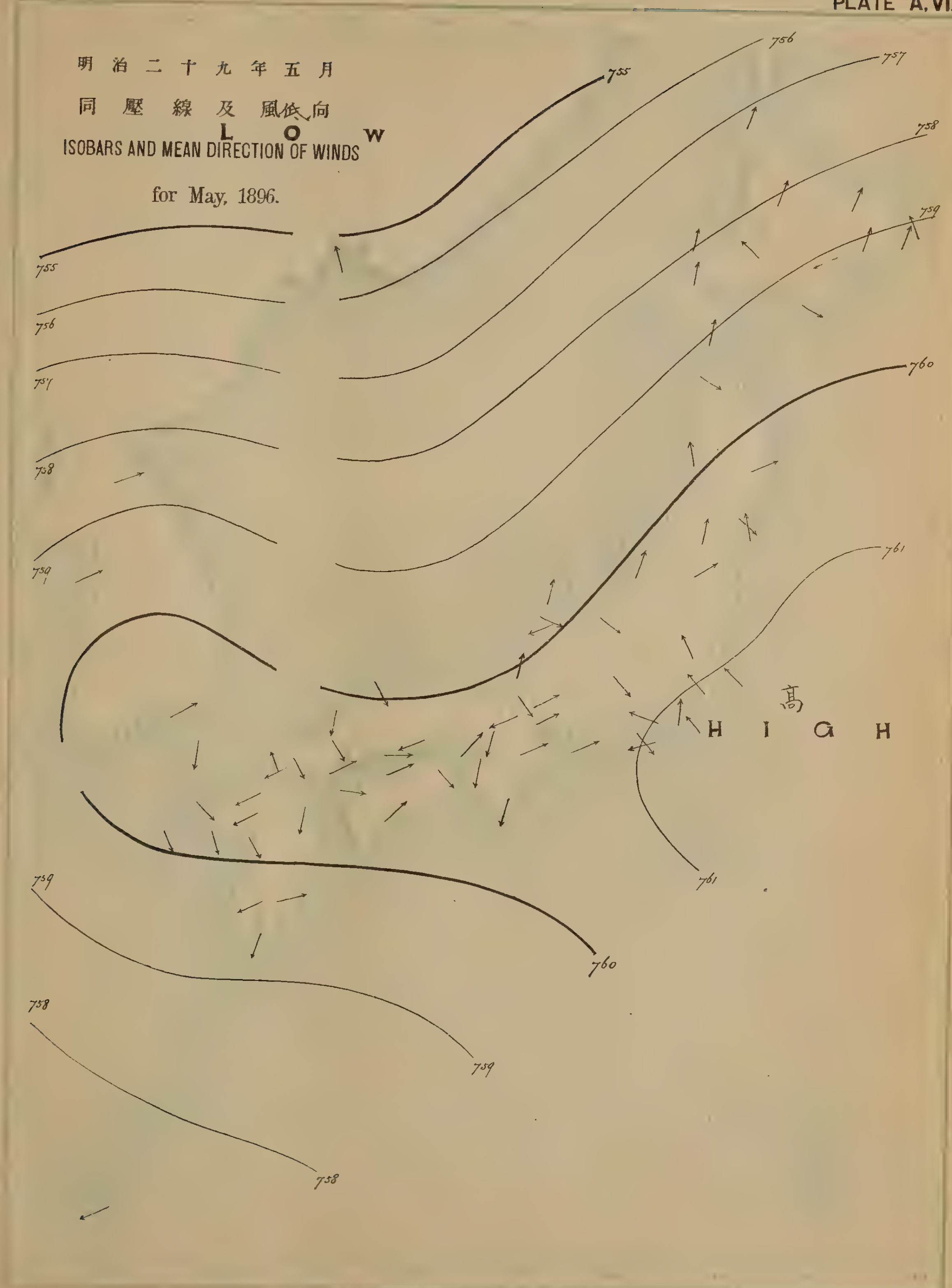

明治二十九年二月
同壓線及風向
ISOBARS AND MEAN DIRECTION OF WINDS
for February, 1896.
高
HIGH
低
LOW
770
769
768
767
766
765
764
763

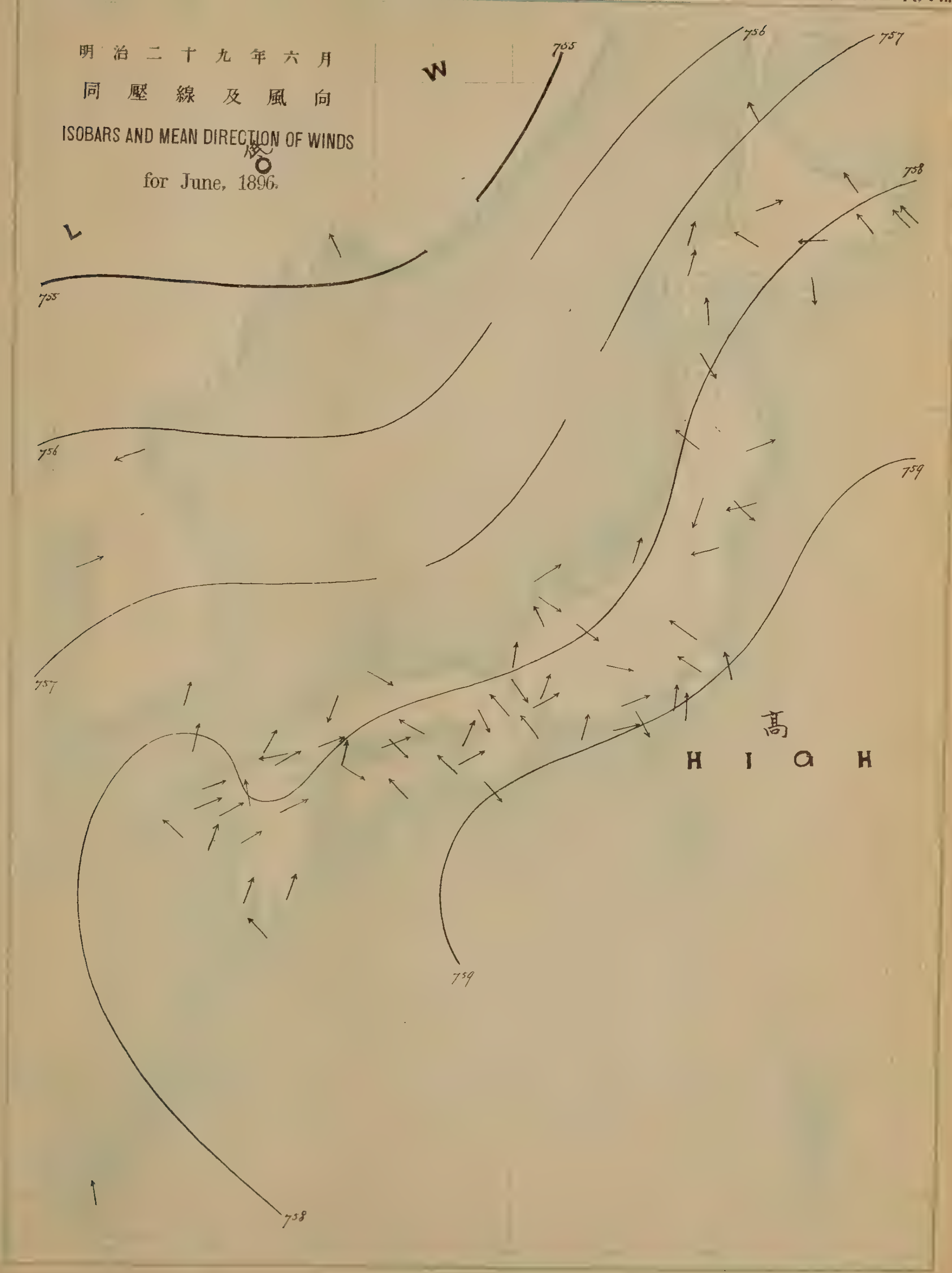
甲第四圖

PLATE A, IV.




明治二十九年四月
同壓線及風向
ISOBARS AND MEAN DIRECTION OF WINDS
for April, 1896.
低
LOW
760
761
762
763
764
高
HIGH


明治二十九年五月
同壓線及風向
ISOBARS AND MEAN DIRECTION OF WINDS
for May, 1896.
LOW
低
HIGH
高
755
756
757
758
759
760
761

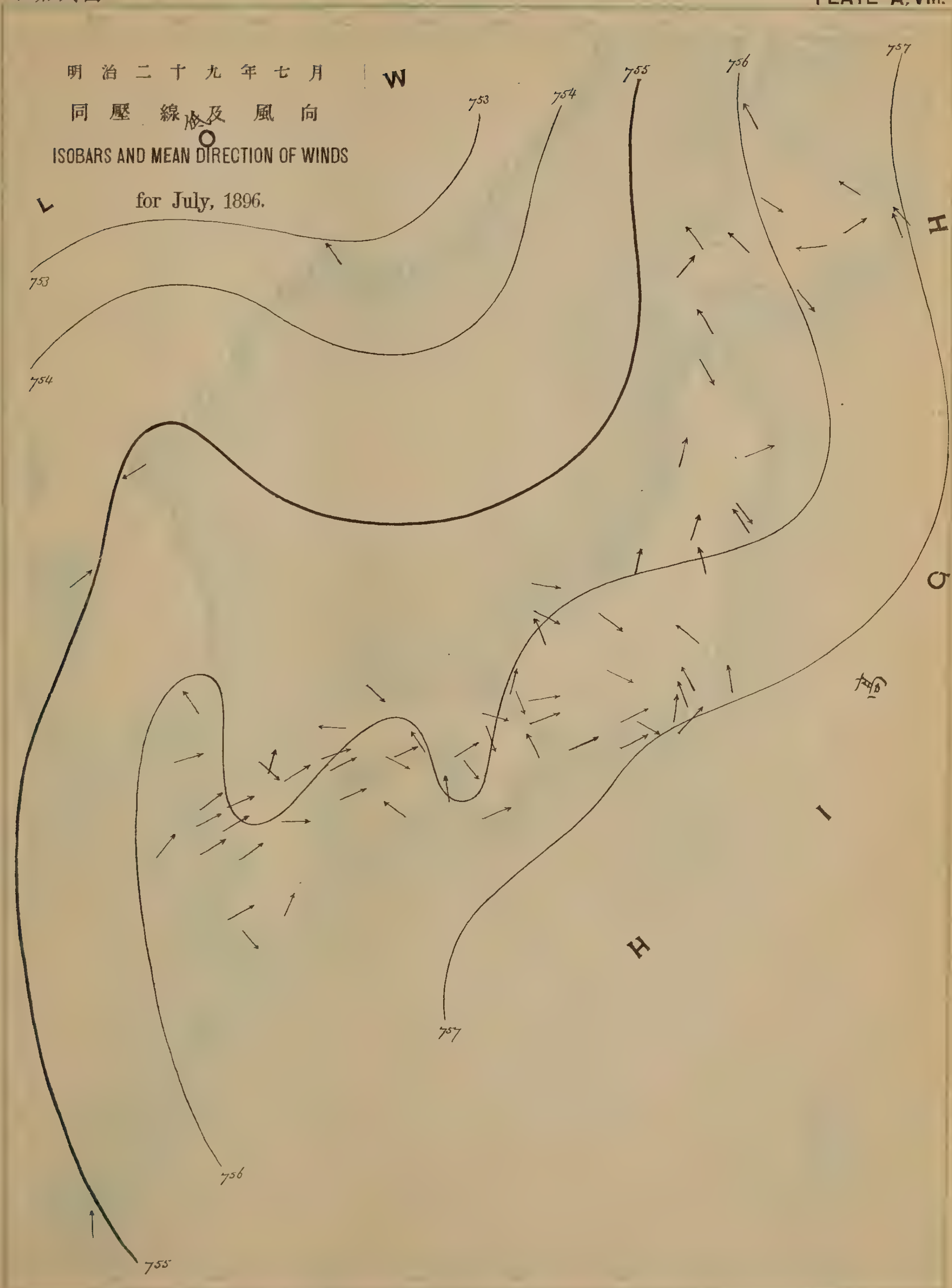

明治二十九年六月
同壓線及風向
ISOBARS AND MEAN DIRECTION OF WINDS
for June, 1896.
W
L
755
756
757
758
759
高
HIGH

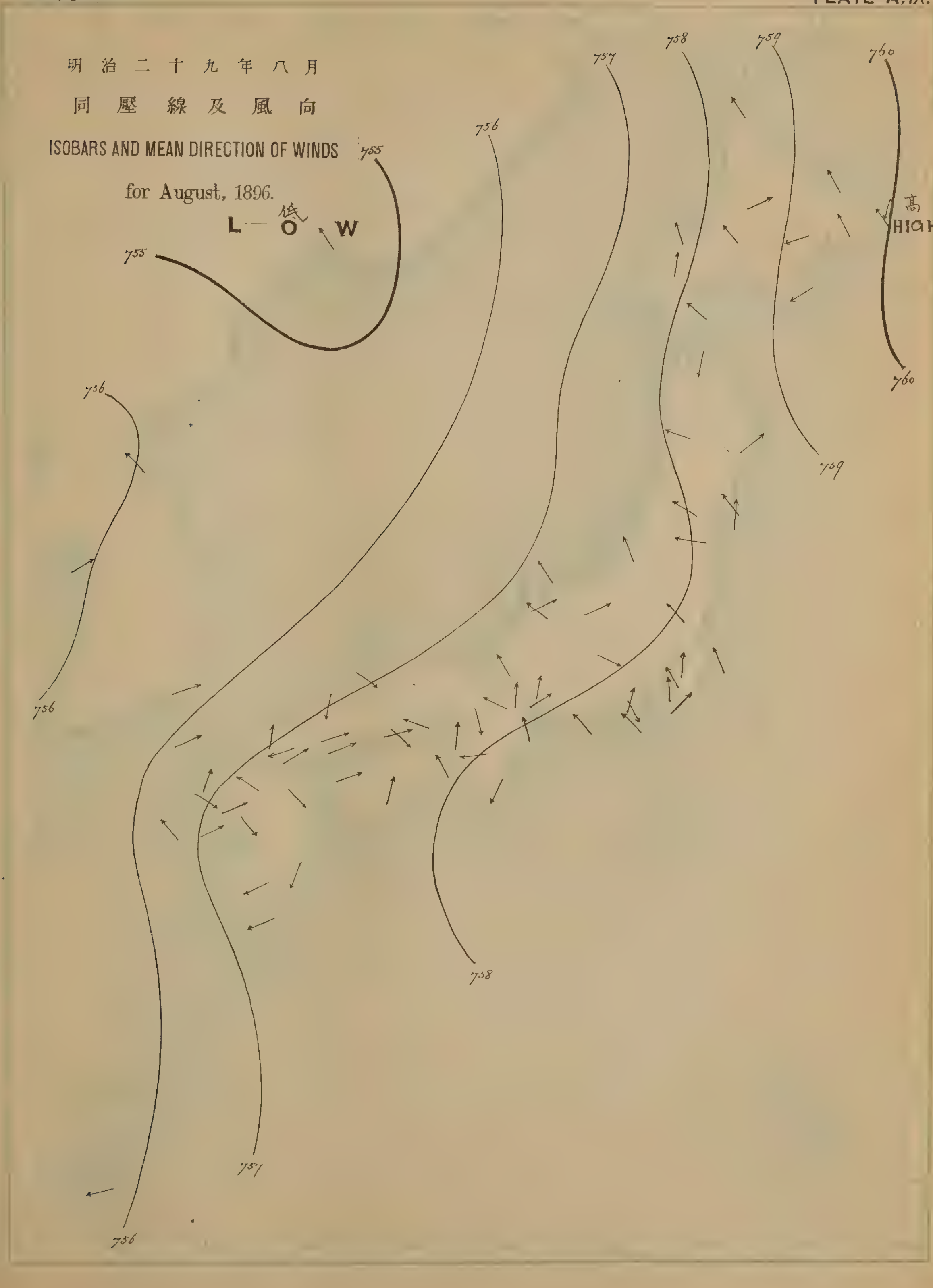
明治二十九年七月

同壓線及風向

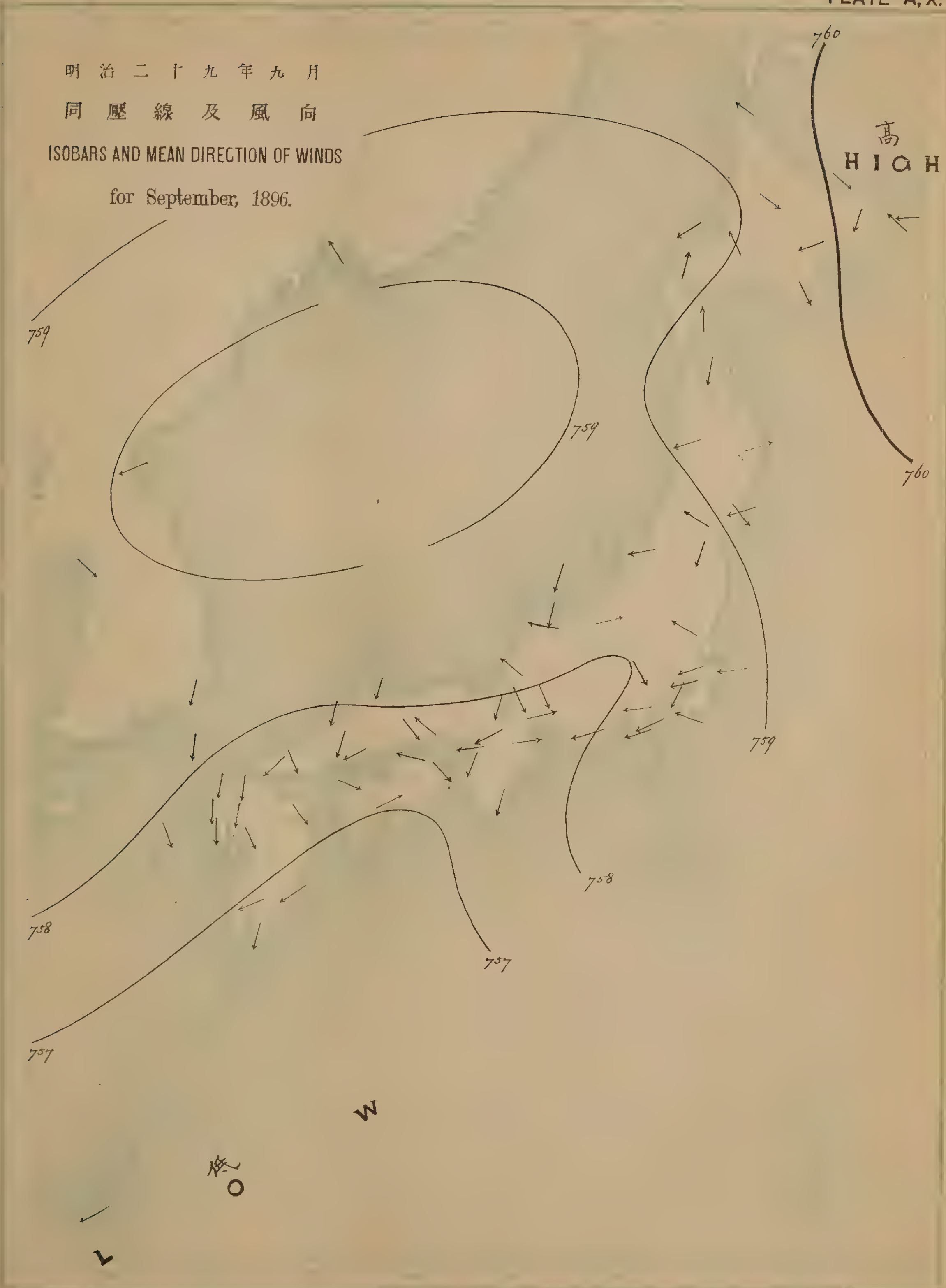
ISOBARS AND MEAN DIRECTION OF WINDS

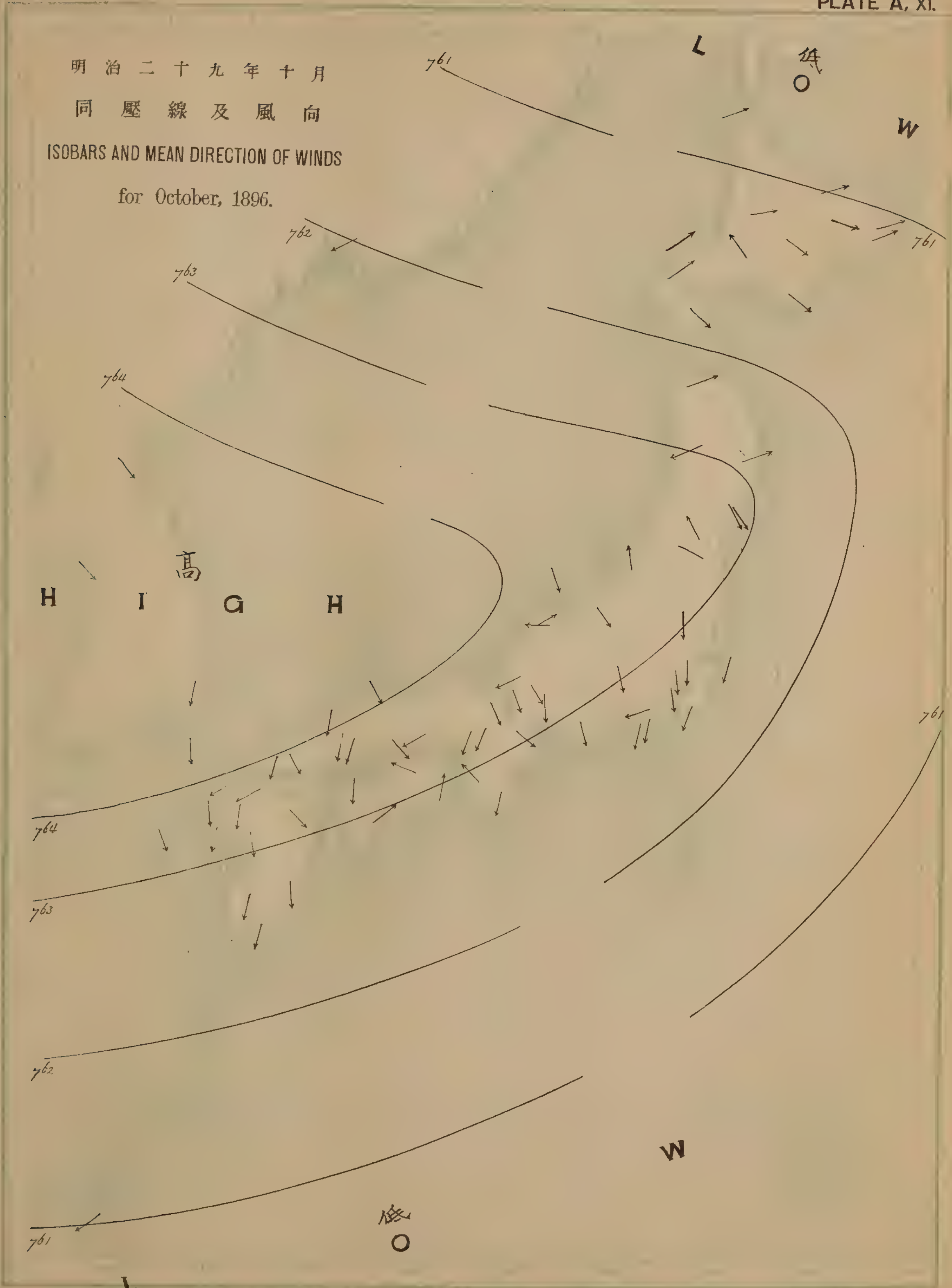
for July, 1896.

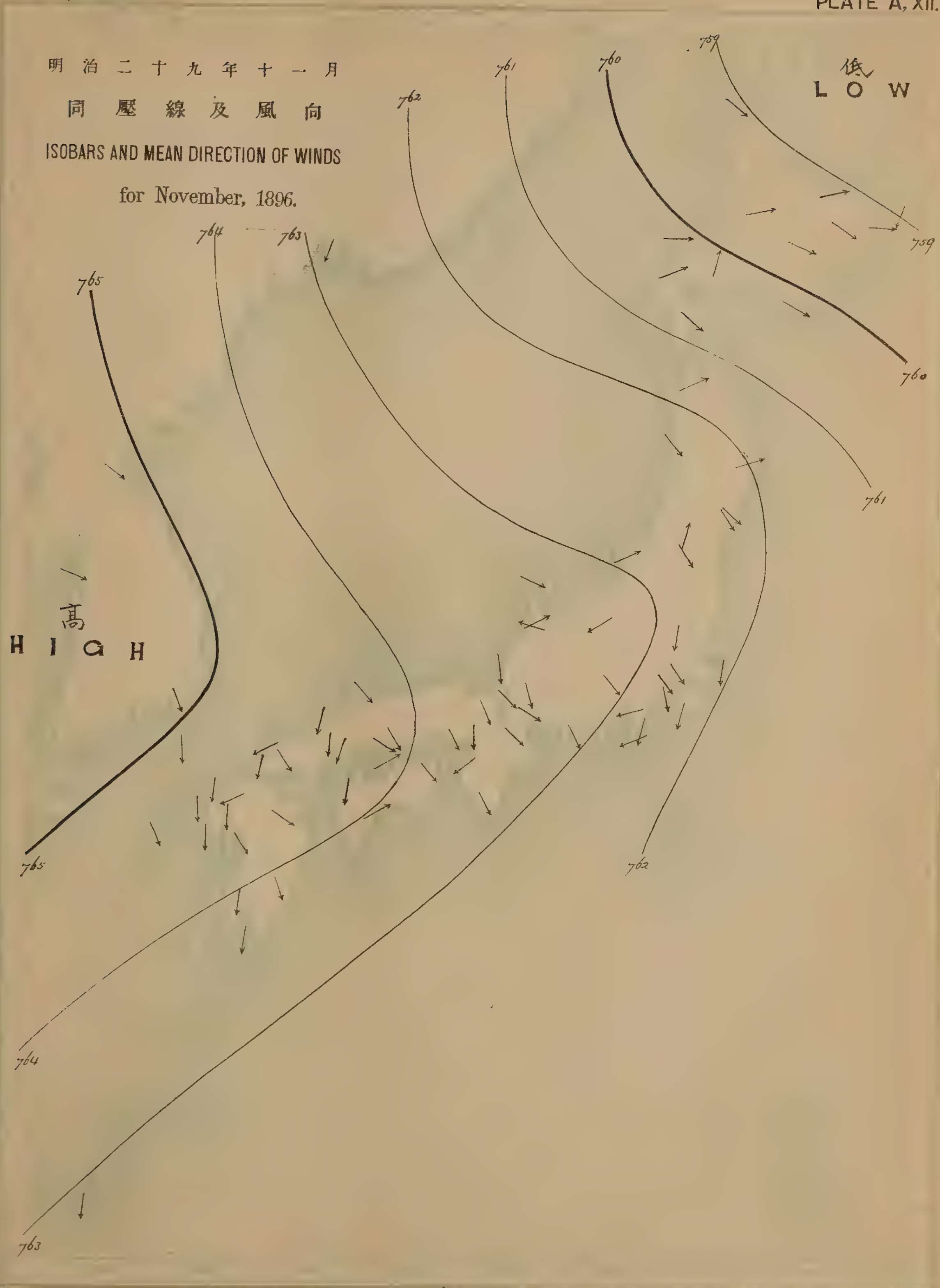


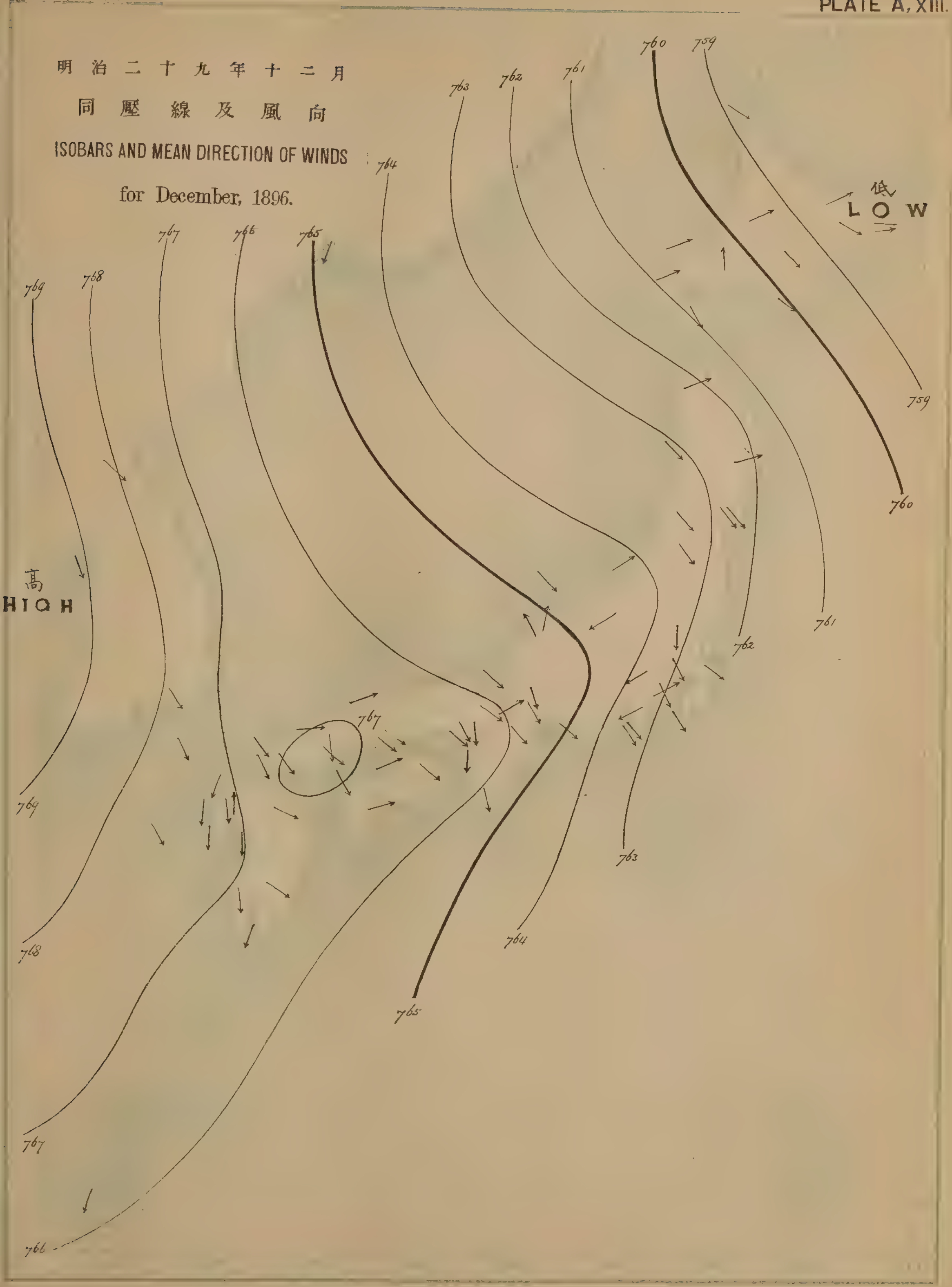


明治二十九年八月
同壓線及風向
ISOBARS AND MEAN DIRECTION OF WINDS
for August, 1896.
L 低 O W
高 HIGH
755
755
756
756
756
756
756
757
757
758
758
759
759
760
760


明治二十九年九月
同壓線及風向
ISOBARS AND MEAN DIRECTION OF WINDS
for September, 1896.
760
高
HIGH
760
759
759
759
758
758
757
757
低
LOW

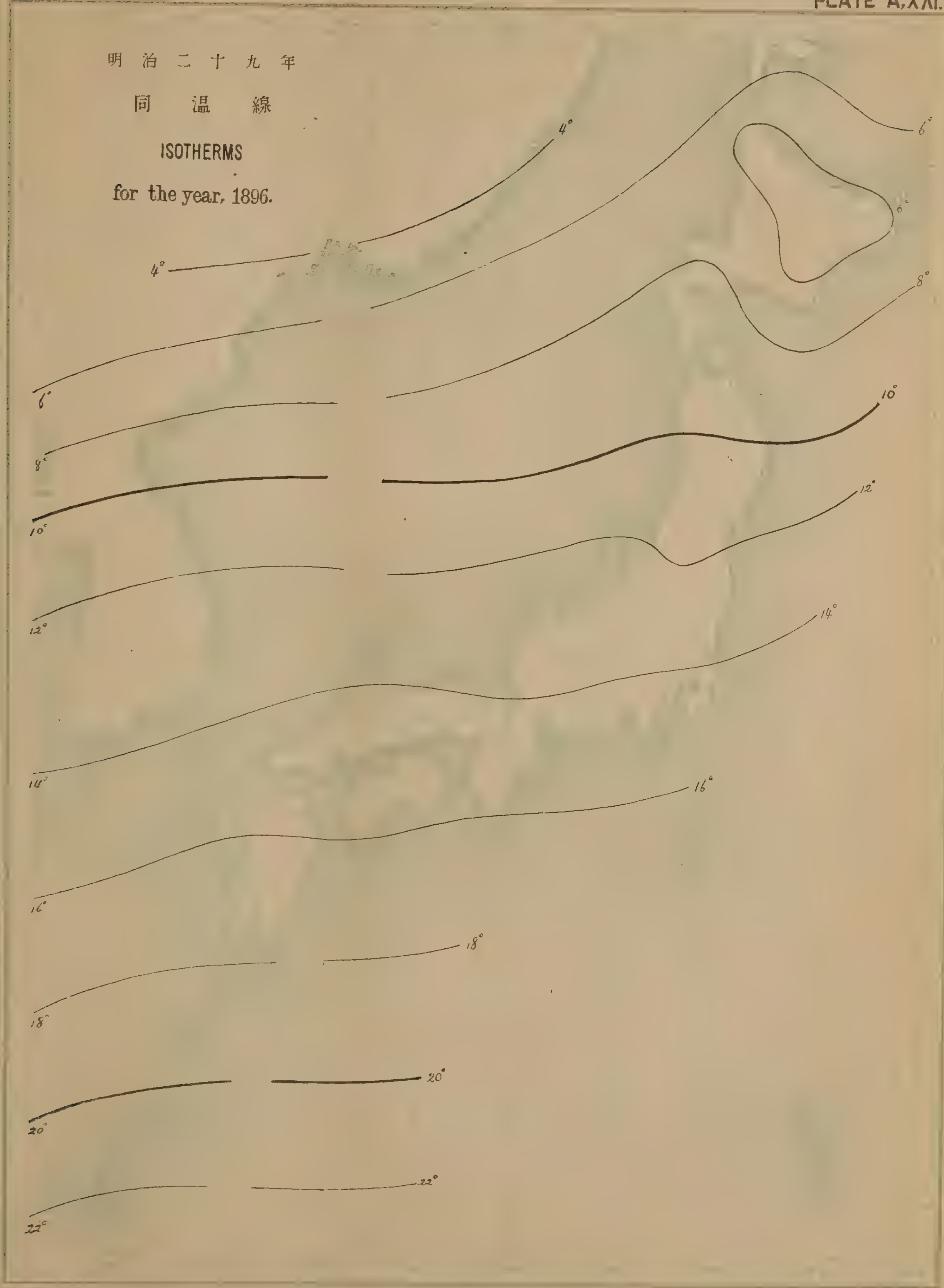

明治二十九年十月
同壓線及風向
ISOBARS AND MEAN DIRECTION OF WINDS
for October, 1896.
761
762
763
764
HIGH
高
LOW
低
LOW
低


明治二十九年十一月
同壓線及風向
ISOBARS AND MEAN DIRECTION OF WINDS
for November, 1896.
低
LOW
高
HIGH
759
760
761
762
763
764
765


明治二十九年十二月
同壓線及風向
ISOBARS AND MEAN DIRECTION OF WINDS
for December, 1896.
高
HIGH
低
LOW
759
760
761
762
763
764
765
766
767
768
769

甲第十四圖

PLATE A,XAI.



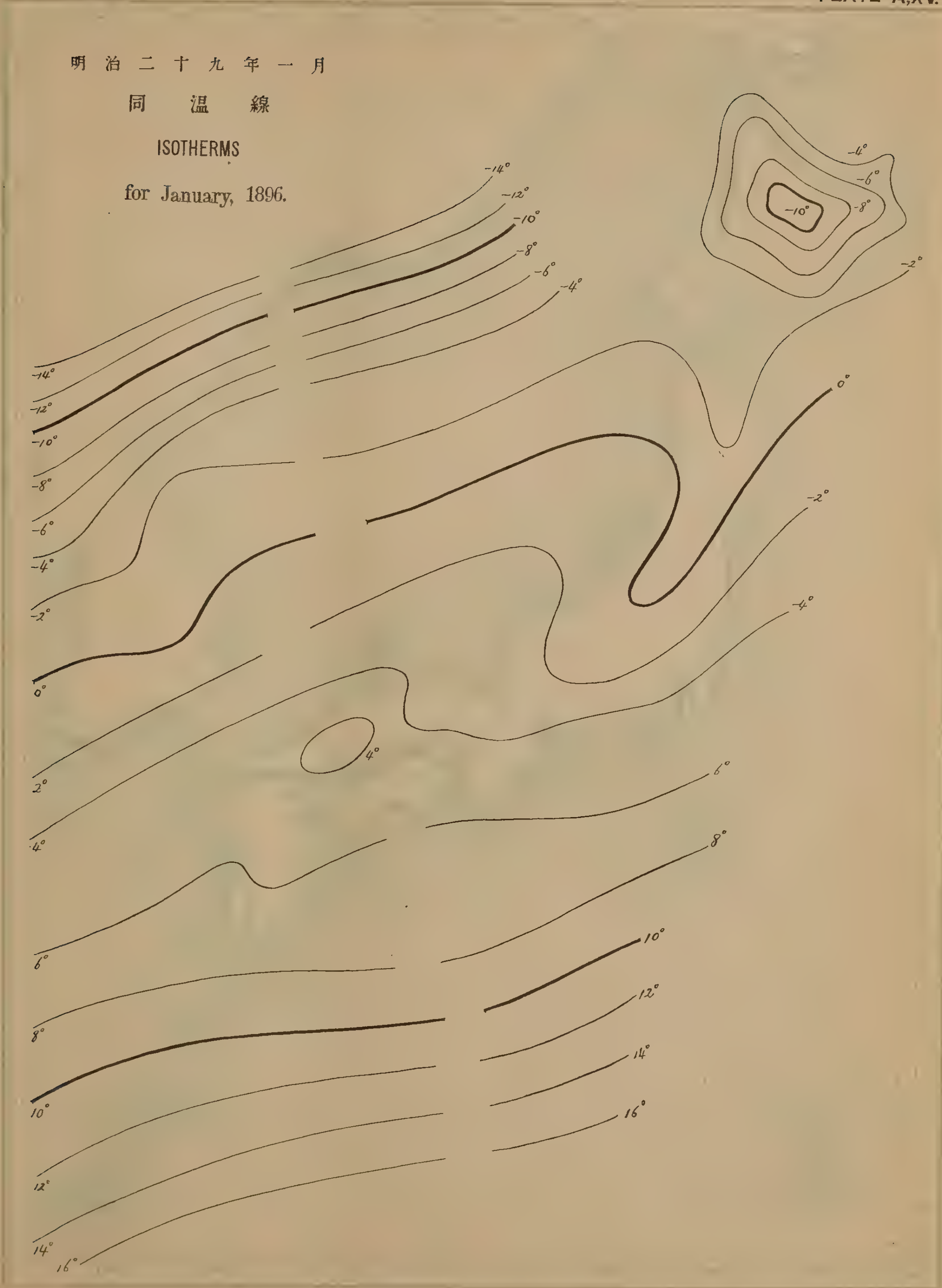
甲第十五圖 PLATE A,XV.

明治二十九年一月

同温線

ISOTHERMS

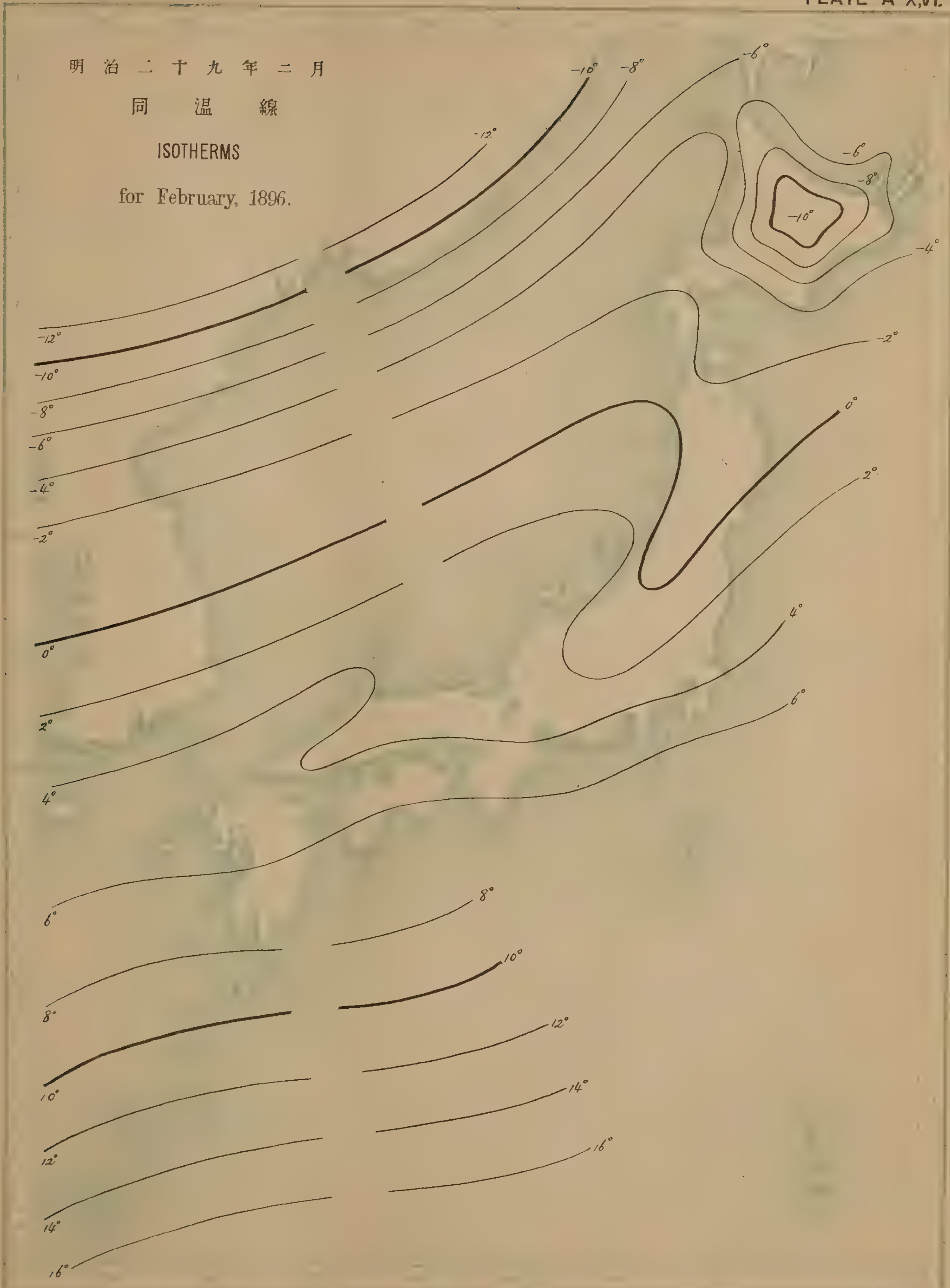
for January, 1896.



明治二十九年二月
同温線

ISOTHERMS

for February, 1896.

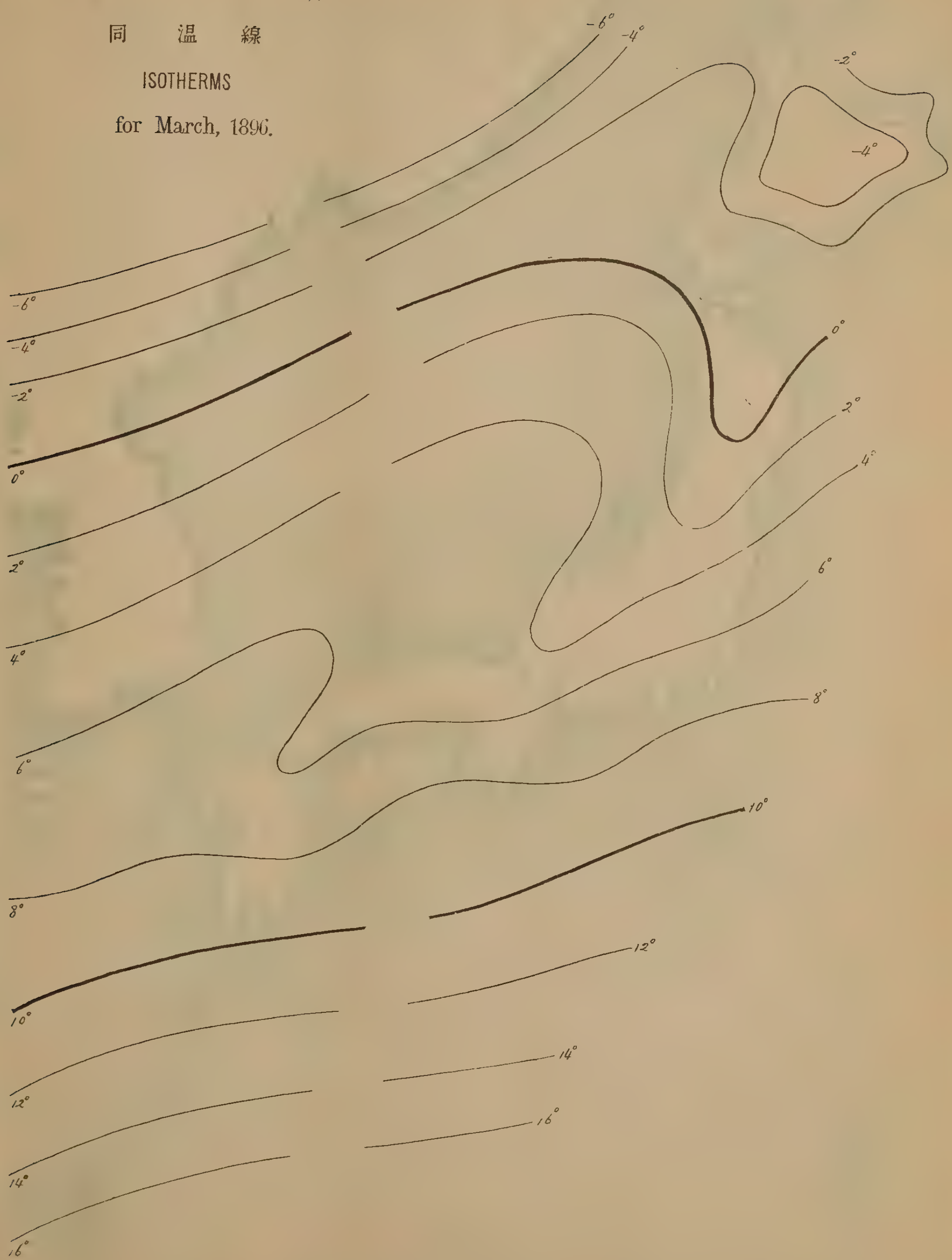


明治二十九年三月

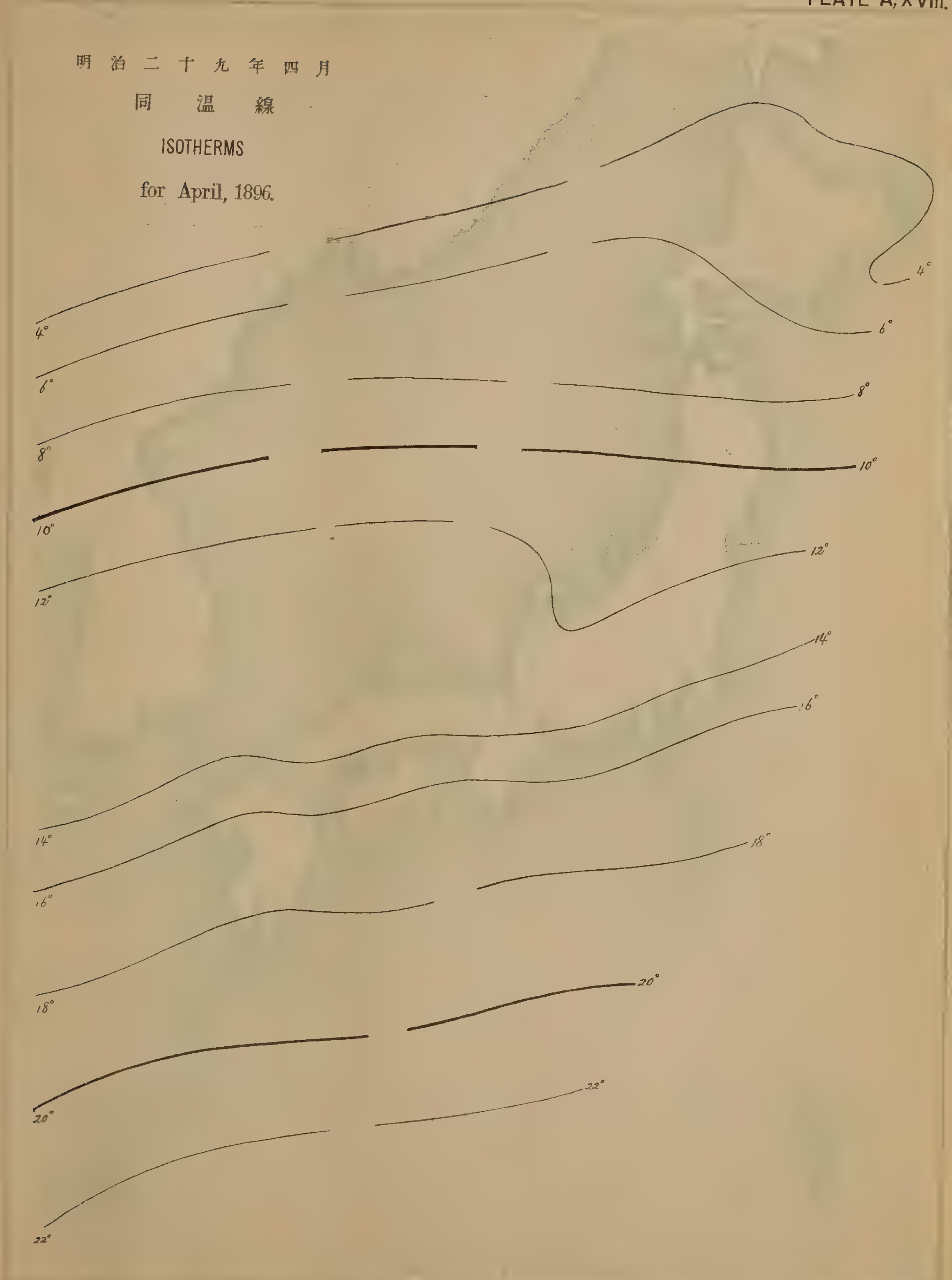
同温線

ISOTHERMS

for March, 1896.



甲第十八圖 PLATE A, XVIII.

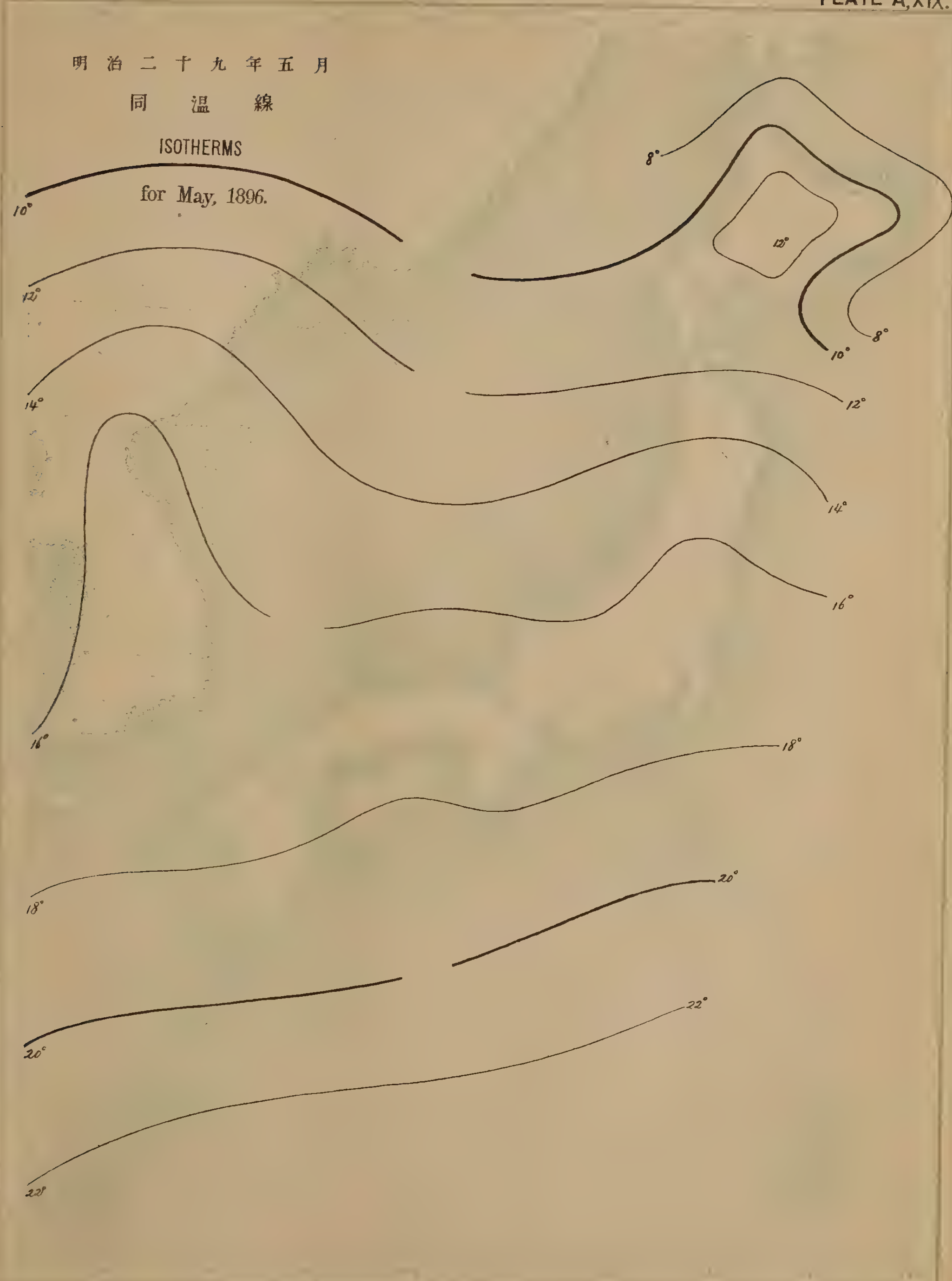


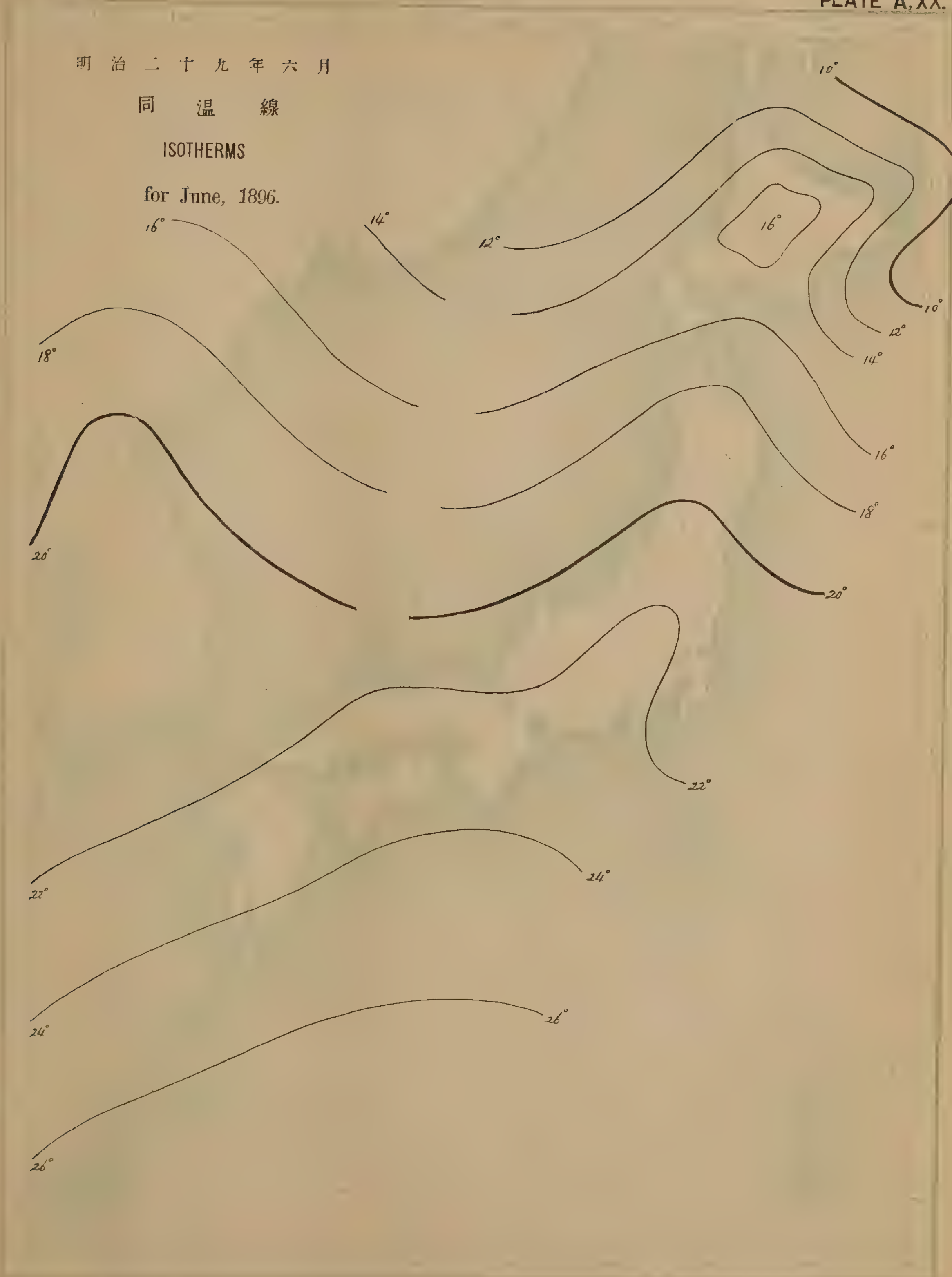
明治二十九年五月

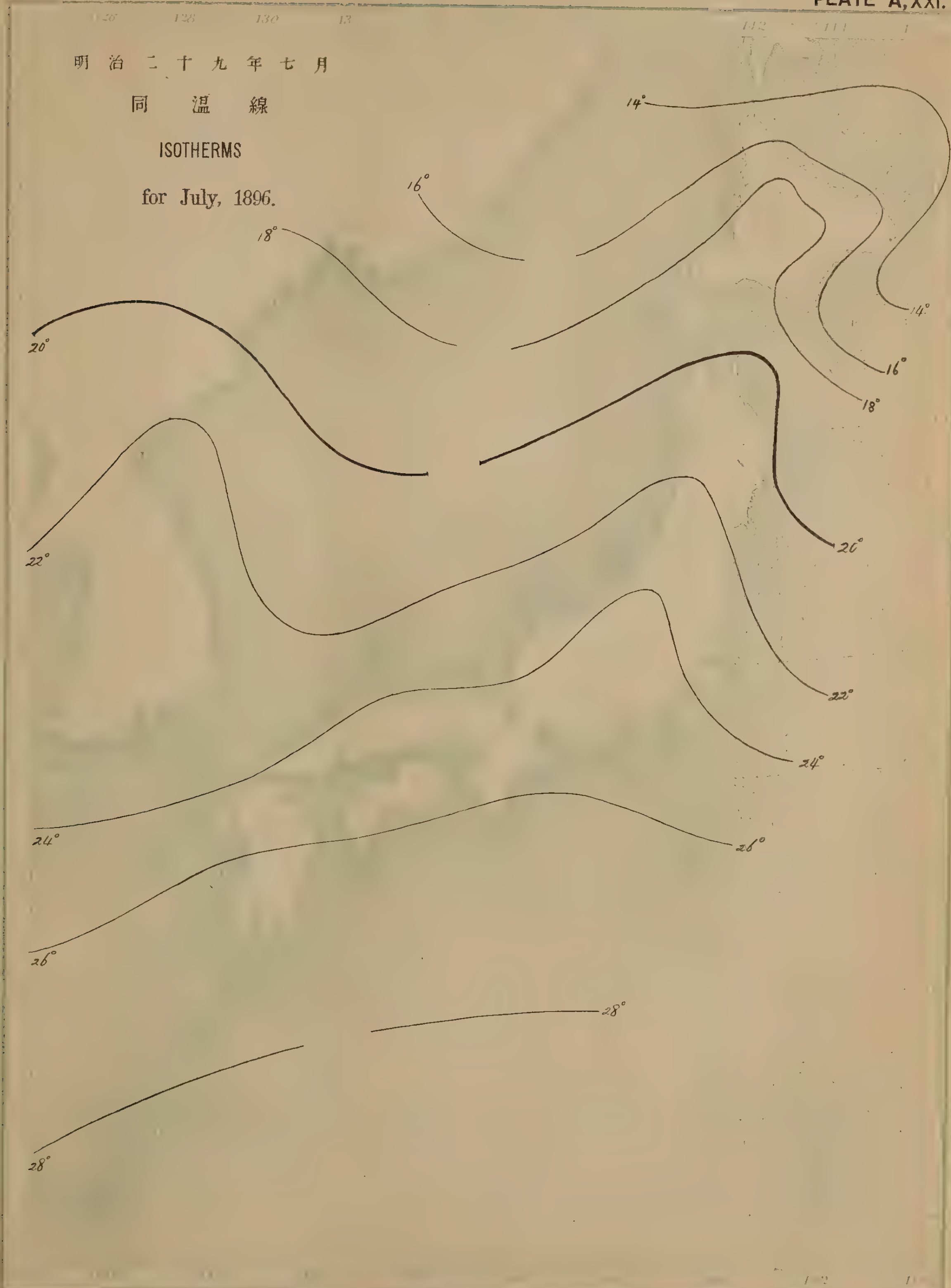
同温線

ISOTHERMS

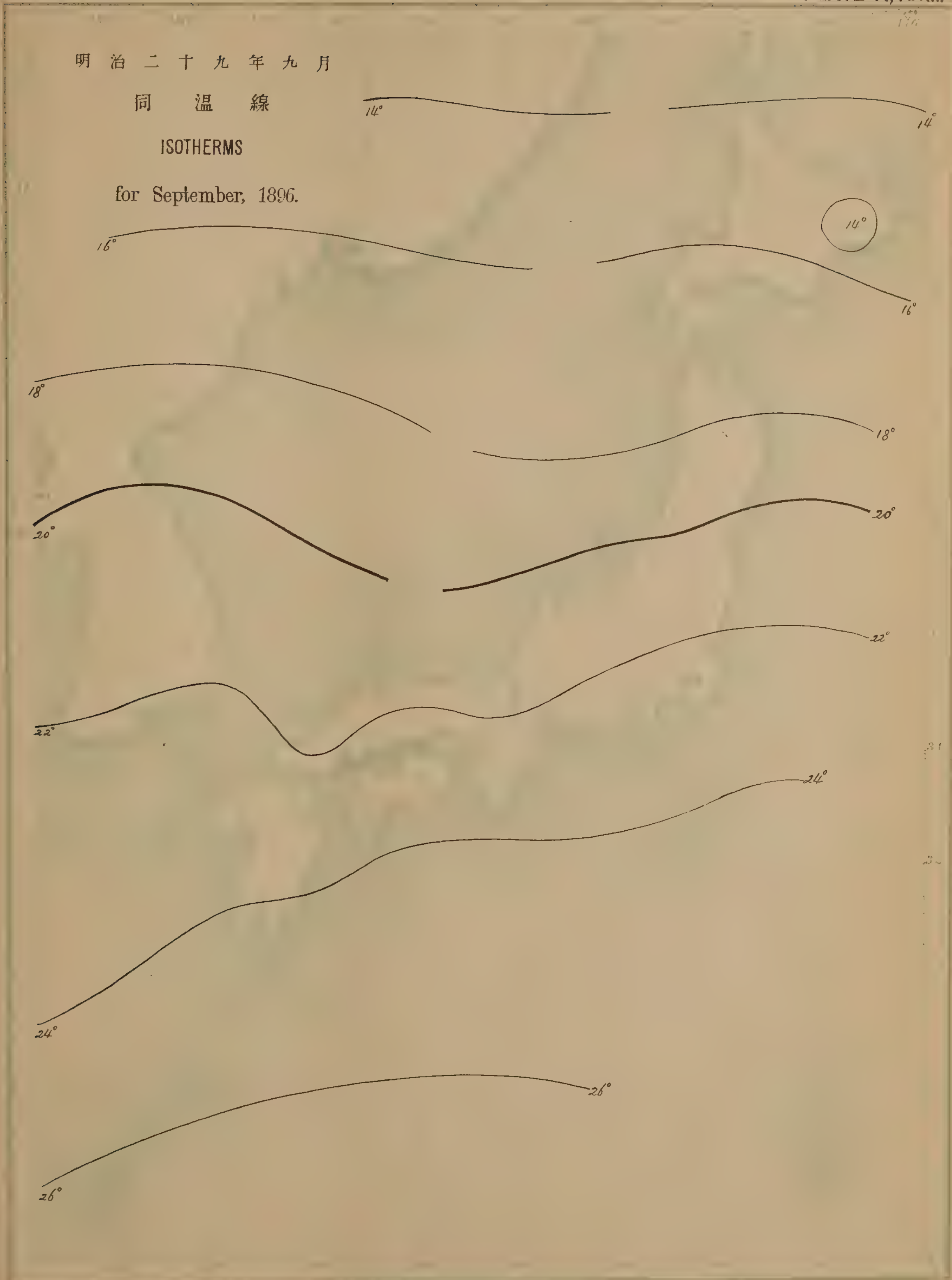
for May, 1896.




明治二十九年六月
同温線
ISOTHERMS
for June, 1896.
10°
12°
14°
16°
18°
20°
22°
24°
26°


明治二十九年七月
同温線
ISOTHERMS
for July, 1896.
14°
16°
18°
20°
22°
24°
26°
28°


明治二十九年八月
同温線
ISOTHERMS
for August, 1896.
18°
20°
18°
20°
22°
22°
24°
24°
26°
26°
26°
26°
28°
28°

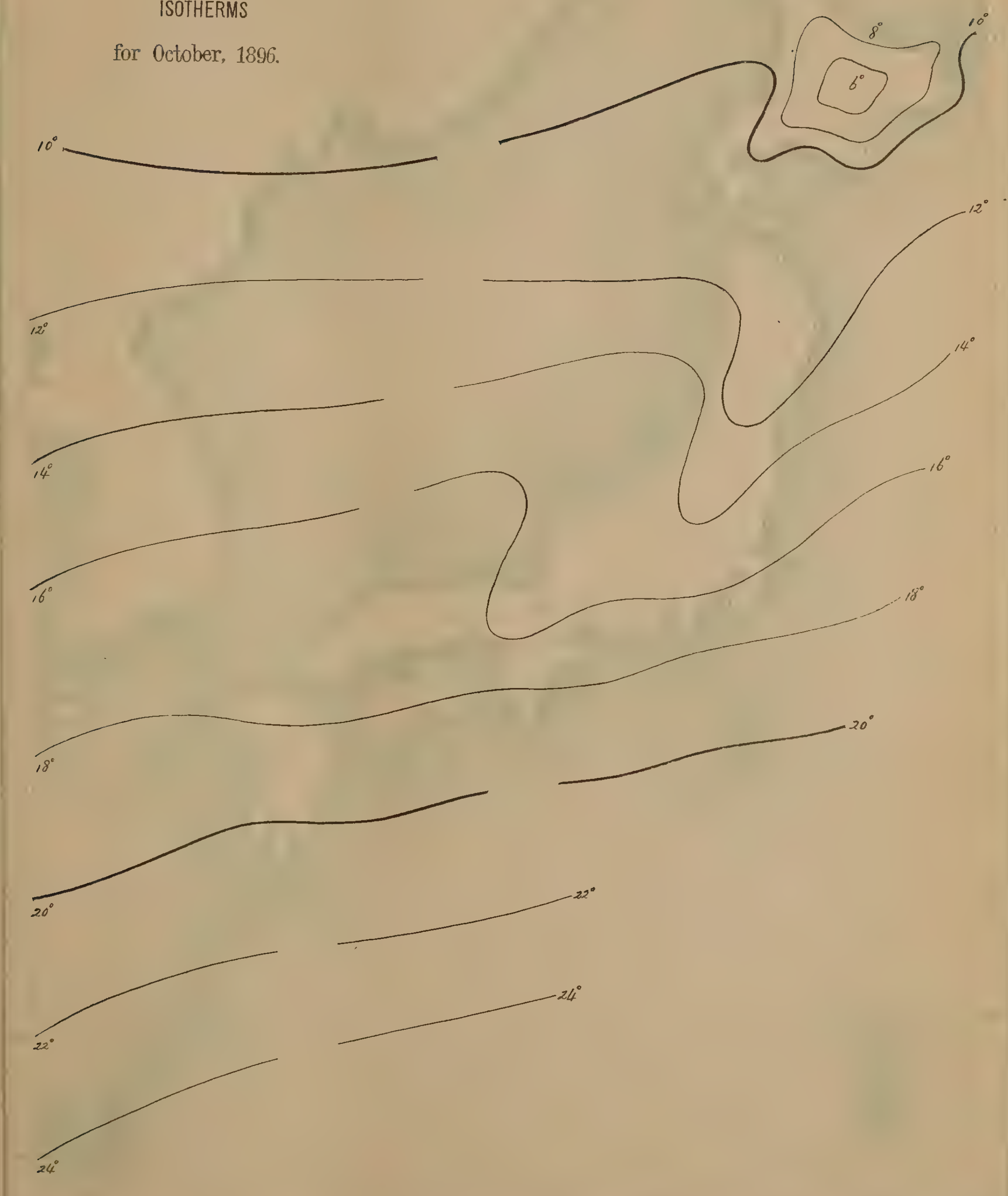

明治二十九年九月
同温線
ISOTHERMS
for September, 1896.
14°
14°
14°
16°
16°
18°
18°
20°
20°
22°
22°
24°
24°
26°
26°

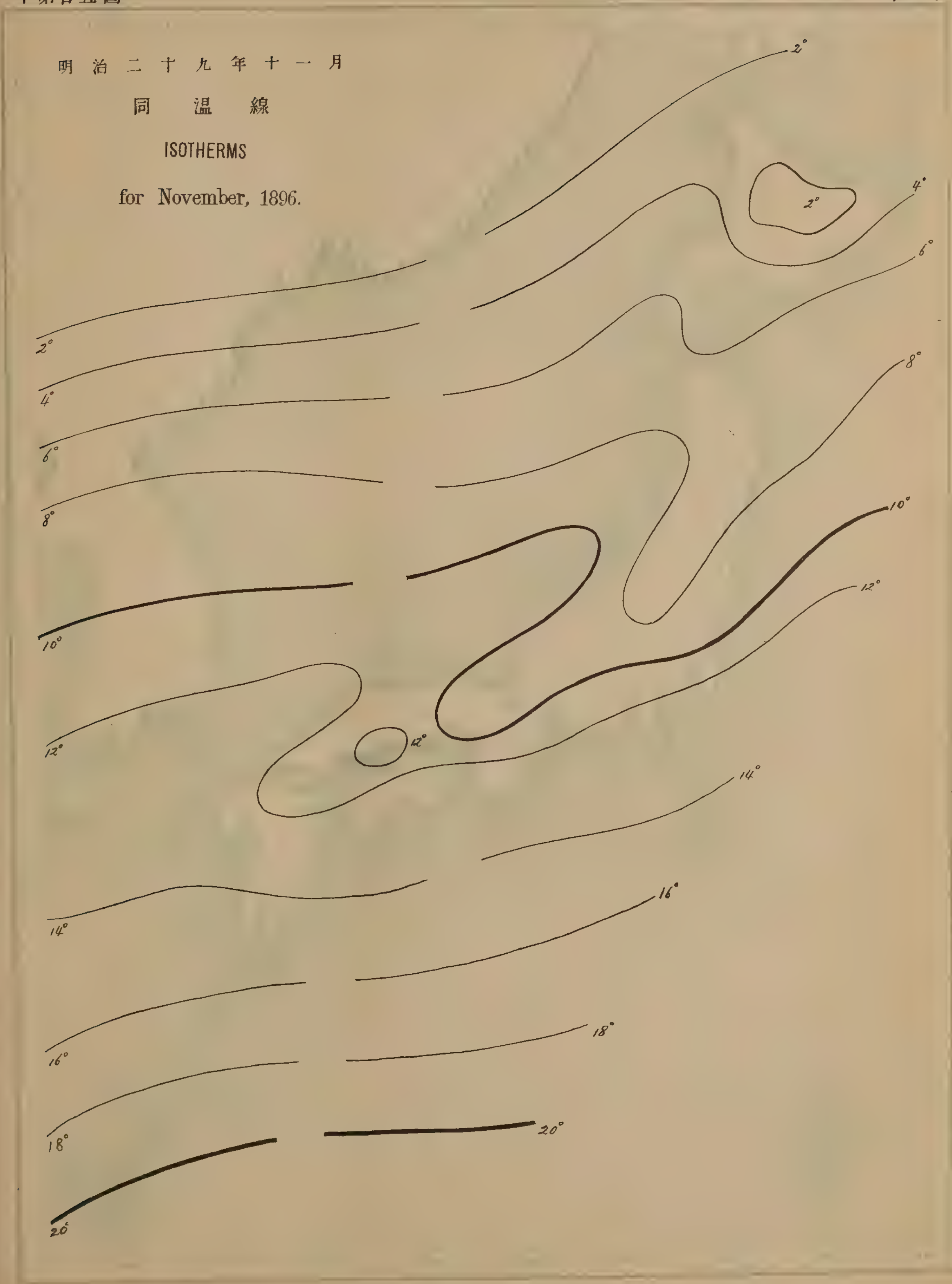
明治二十九年十月

同温線

ISOTHERMS

for October, 1896.



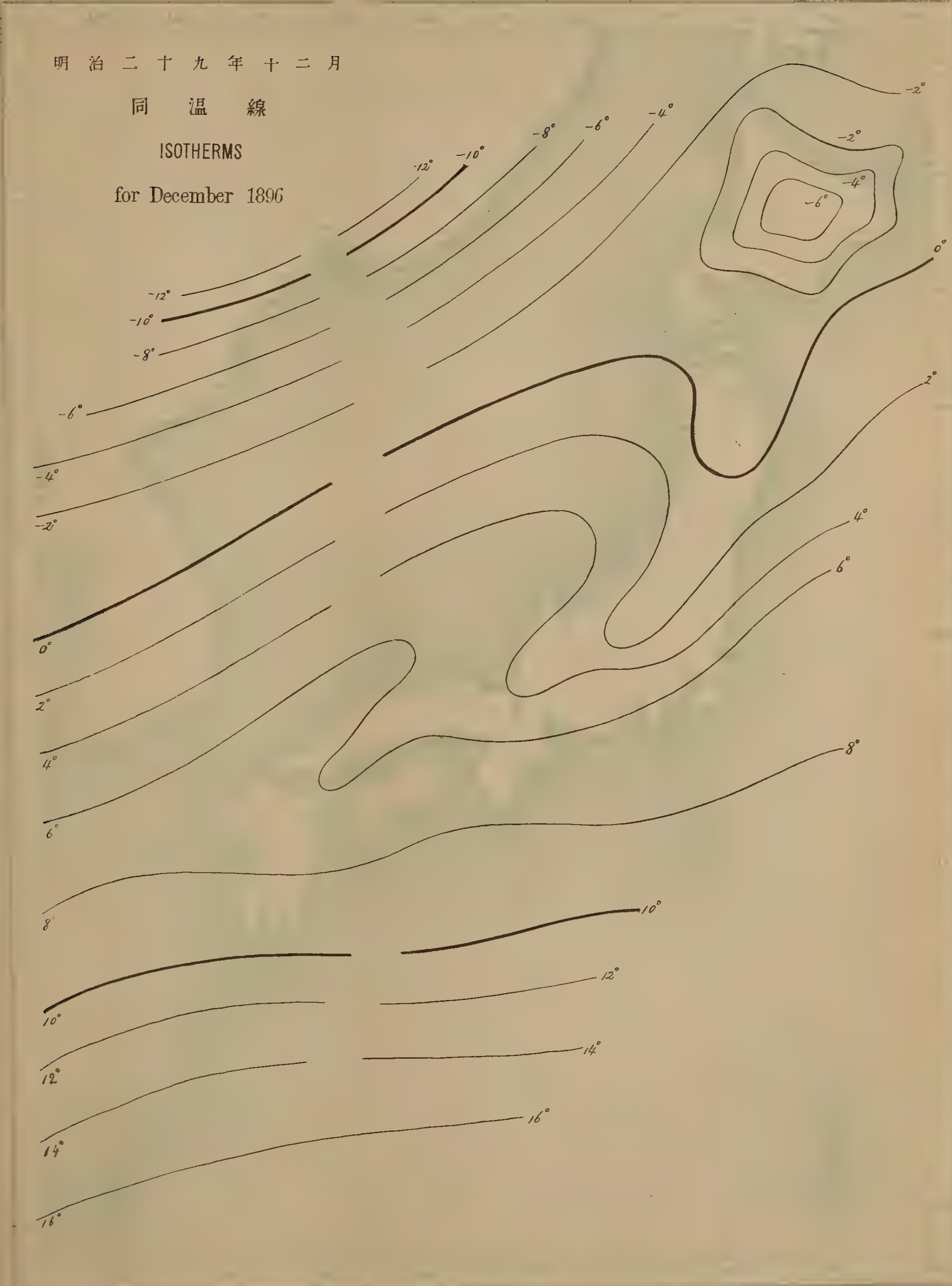

明治二十九年十一月
同温線
ISOTHERMS
for November, 1896.
2°
4°
6°
8°
10°
12°
14°
16°
18°
20°

明治二十九年十二月

同温線

ISOTHERMS

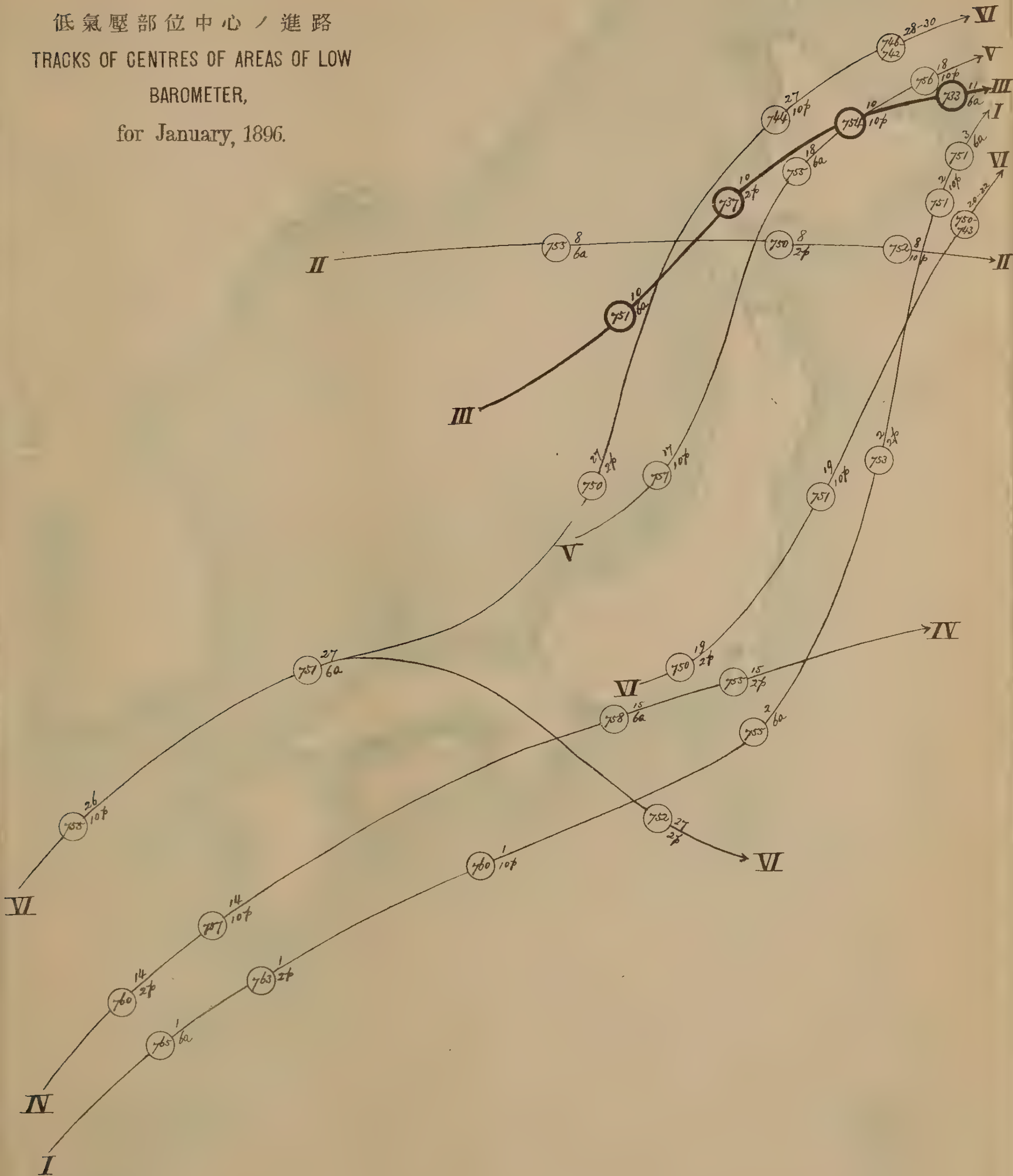
for December 1896



明治二十九年一月
低氣壓部位中心ノ進路

TRACKS OF CENTRES OF AREAS OF LOW BAROMETER,

for January, 1896.

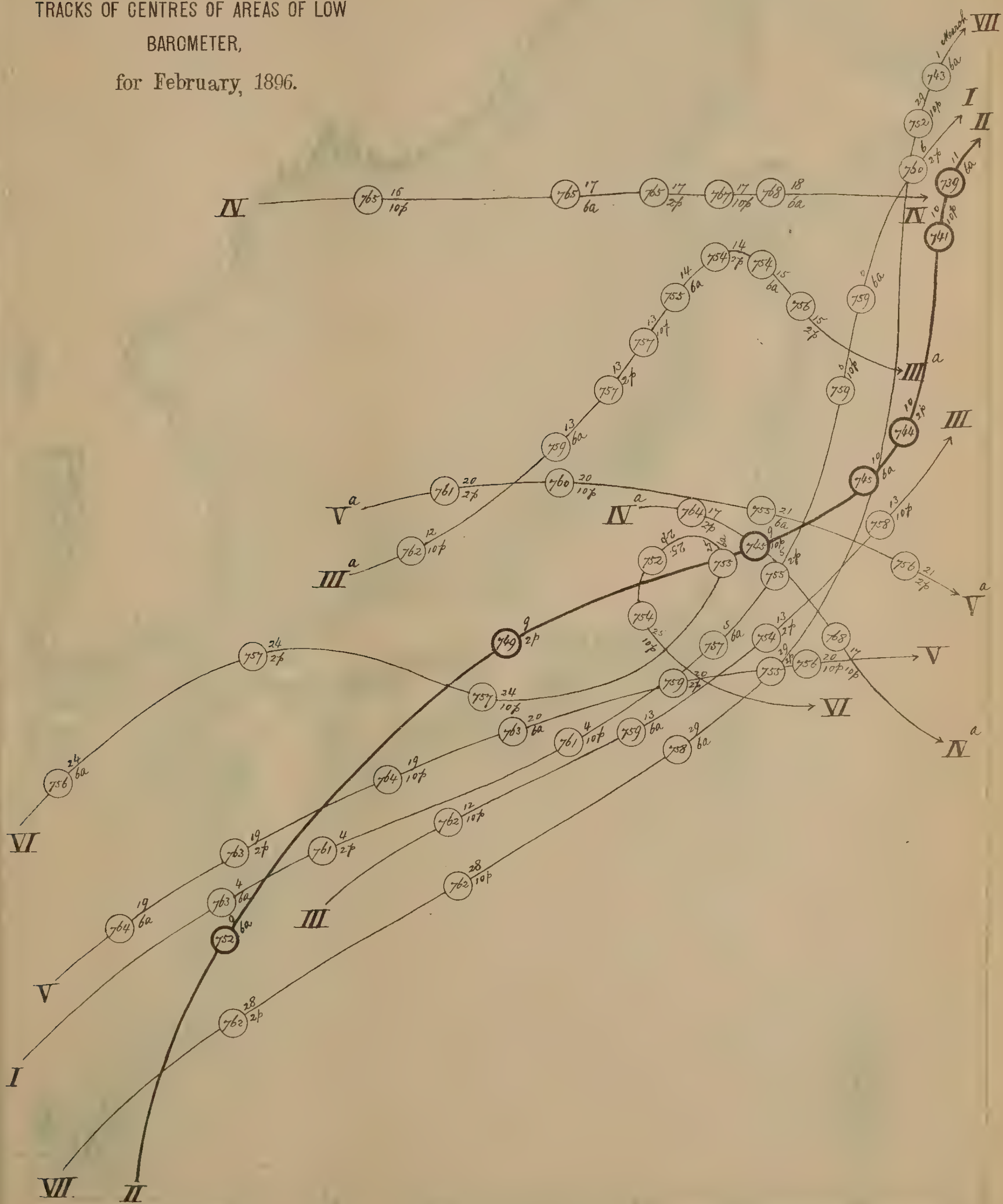


明治二十九年二月

低氣壓部位中心ノ進路

TRACKS OF CENTRES OF AREAS OF LOW BAROMETER,

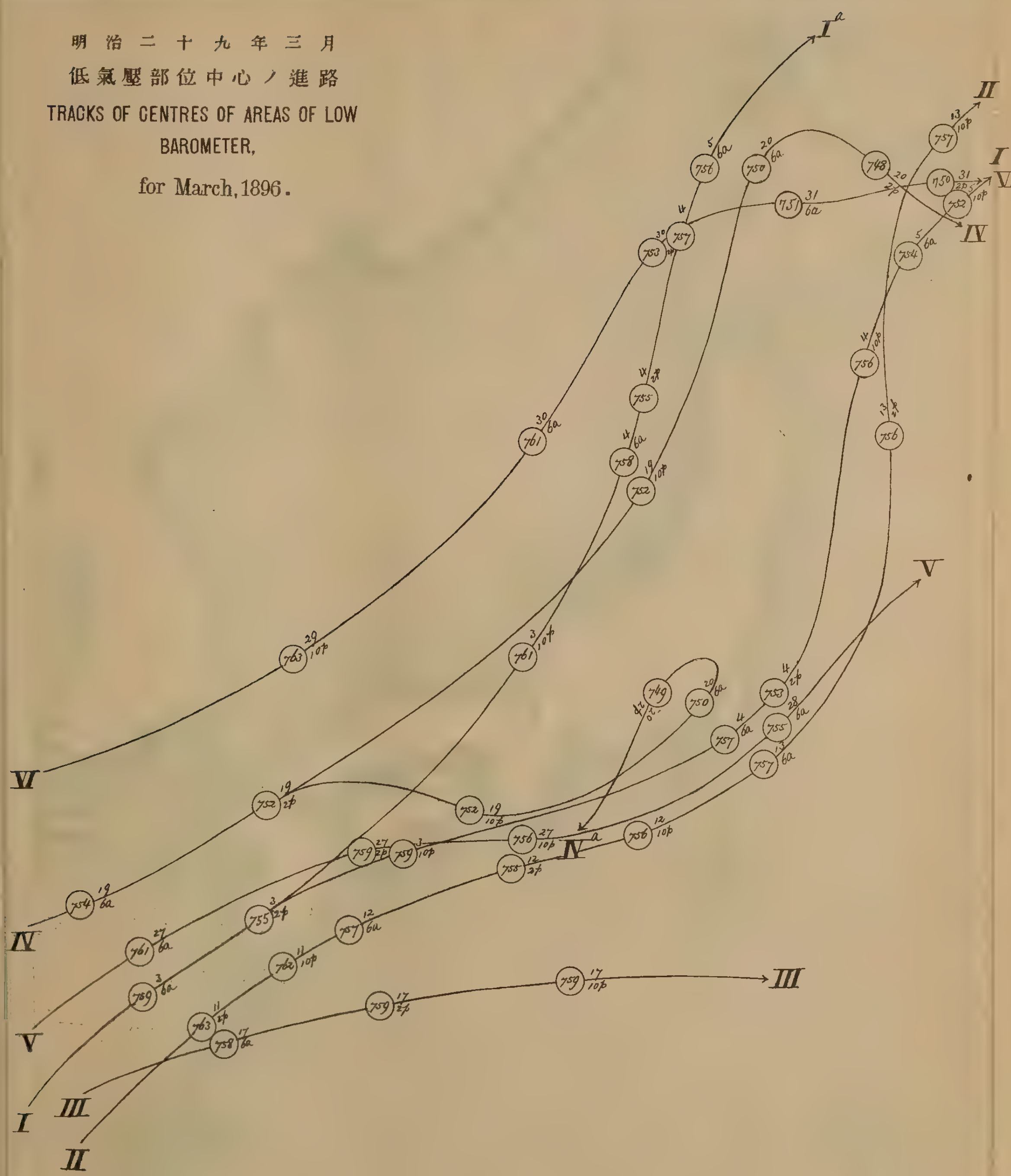
for February, 1896.



明治二十九年三月
低氣壓部位中心ノ進路

TRACKS OF CENTRES OF AREAS OF LOW BAROMETER,

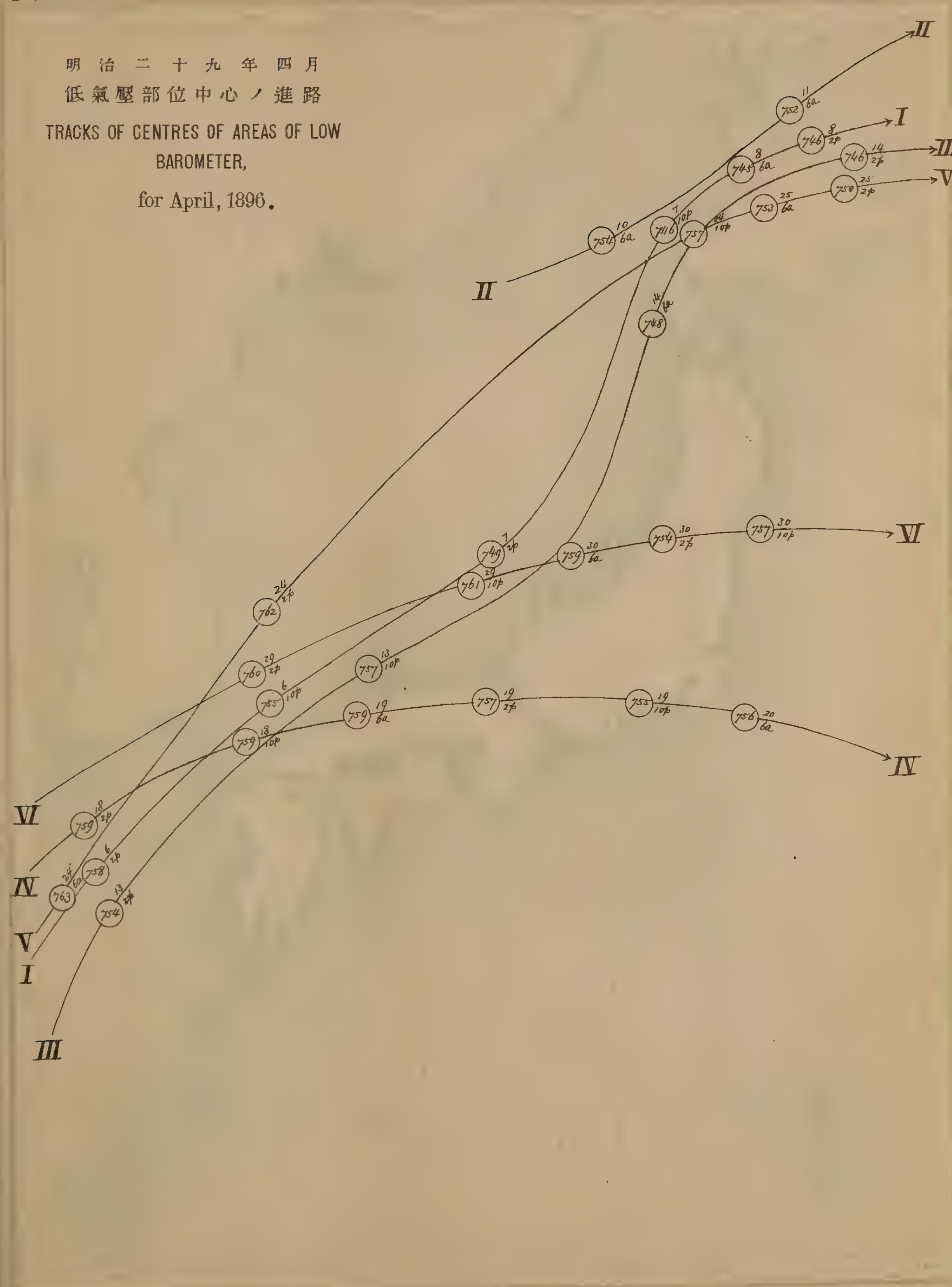
for March, 1896.



明治二十九年四月
低氣壓部位中心ノ進路

TRACKS OF CENTRES OF AREAS OF LOW BAROMETER,

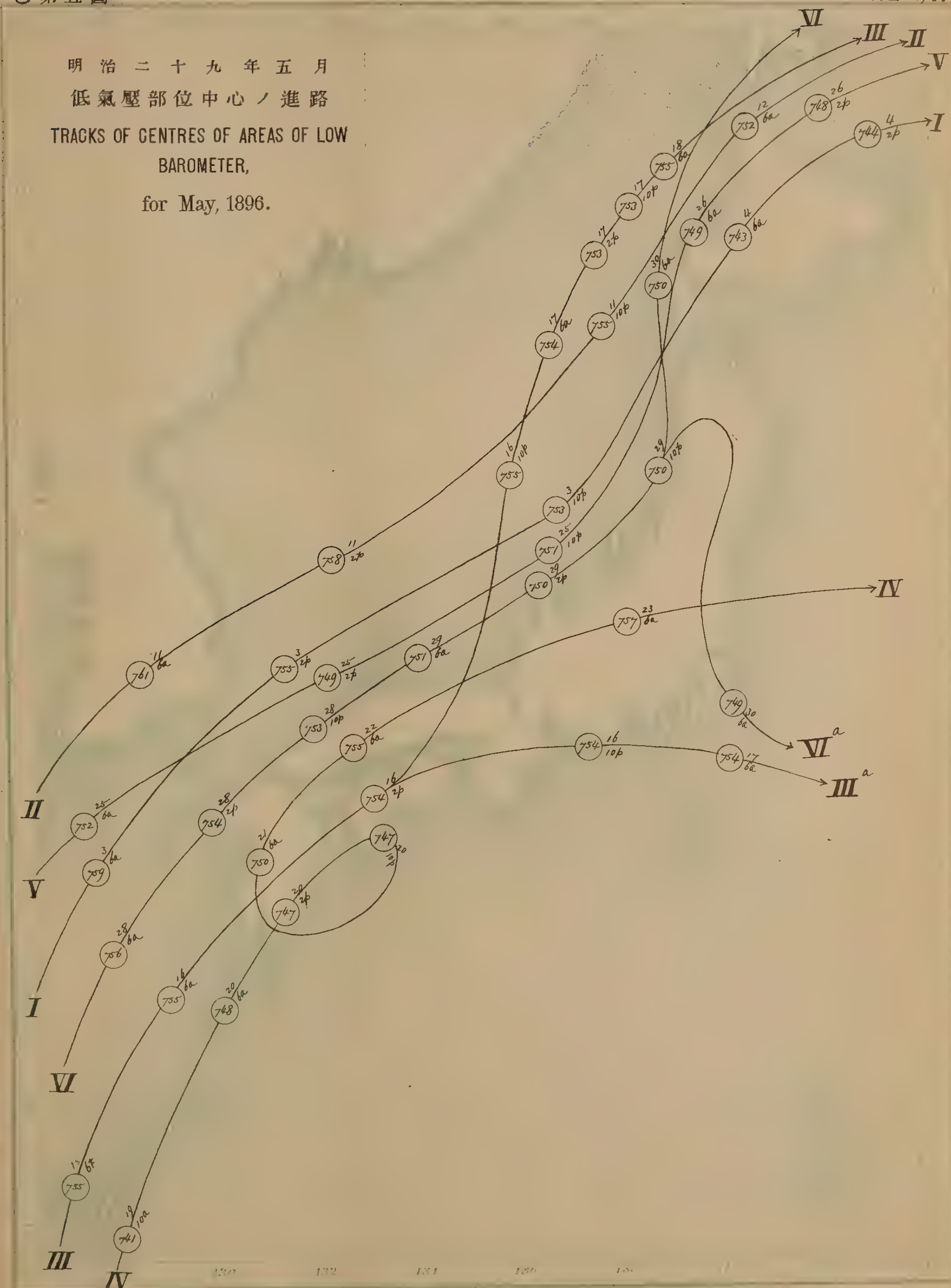
for April, 1896.



明治二十九年五月
低氣壓部位中心ノ進路

TRACKS OF CENTRES OF AREAS OF LOW BAROMETER,

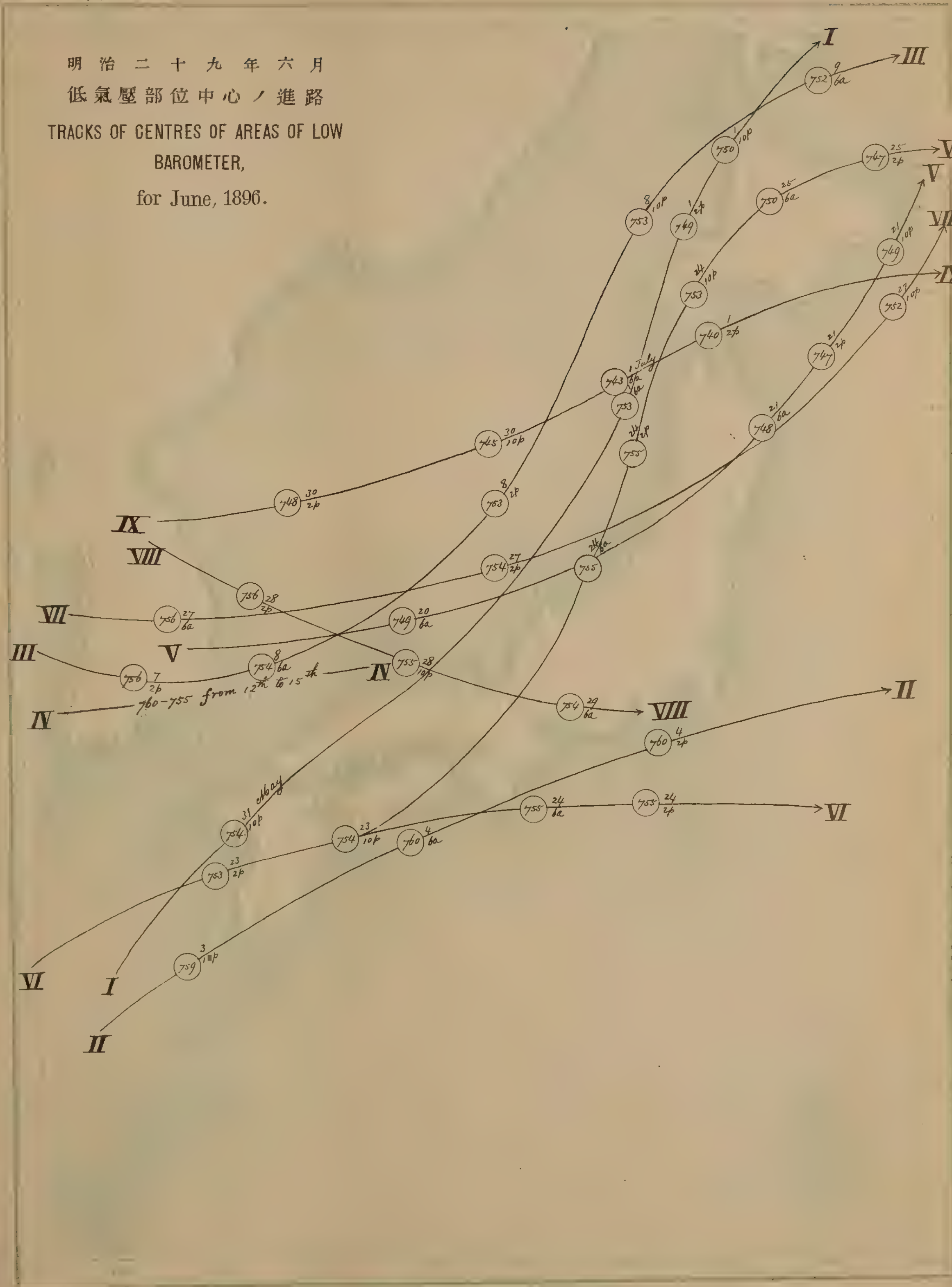
for May, 1896.



明治二十九年六月
低氣壓部位中心ノ進路

TRACKS OF CENTRES OF AREAS OF LOW BAROMETER,

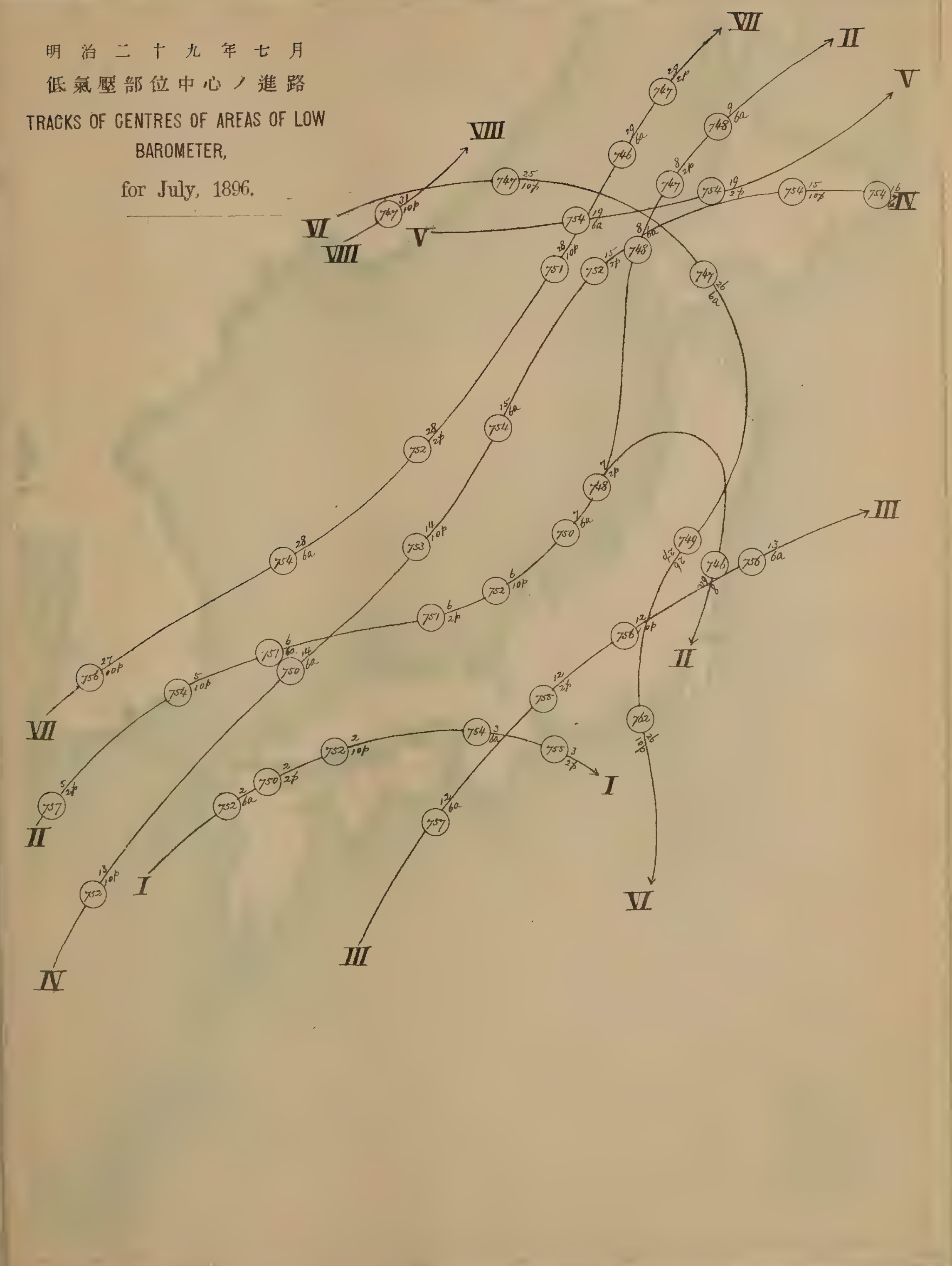
for June, 1896.



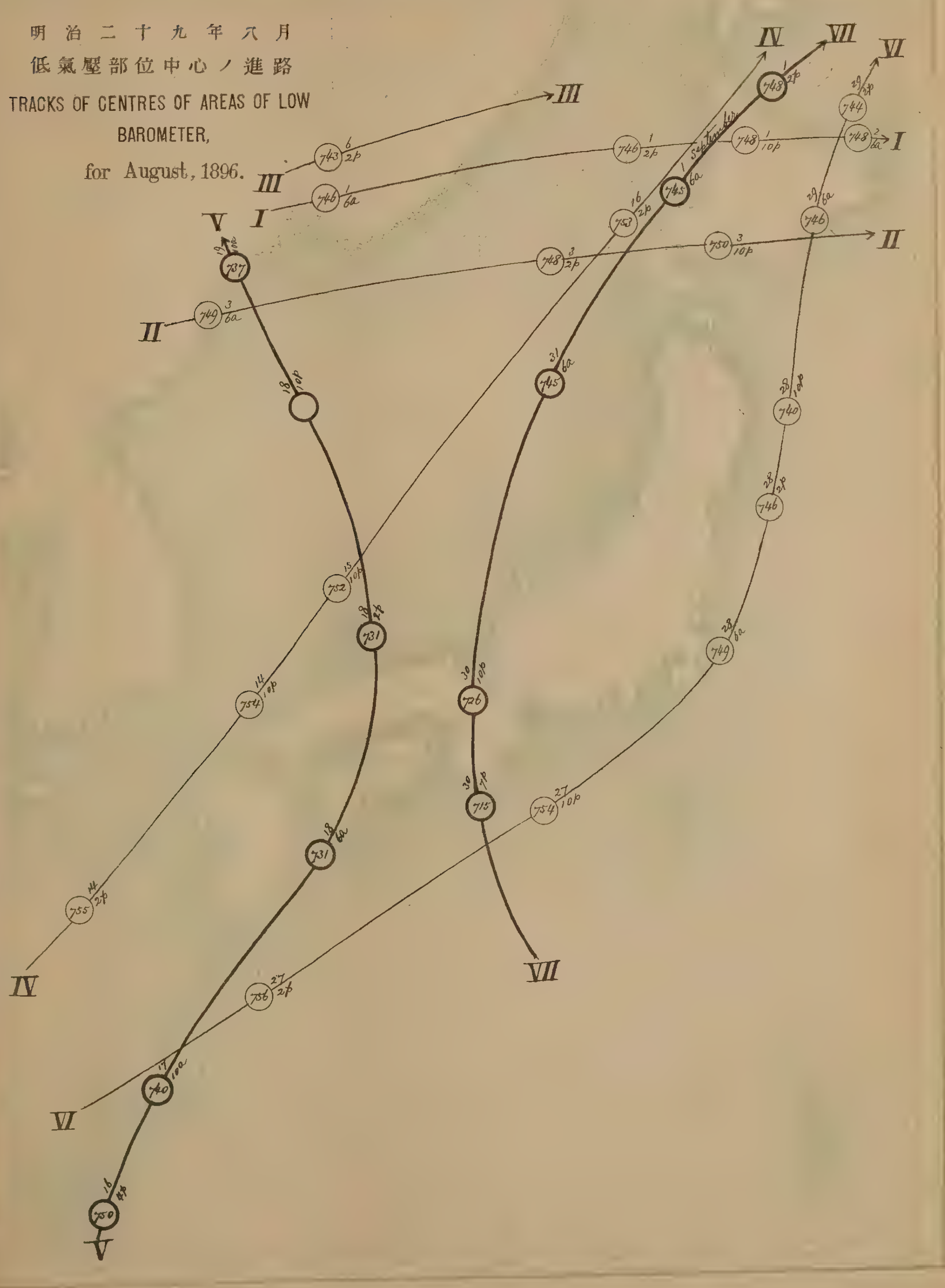
明治二十九年七月
低氣壓部位中心ノ進路

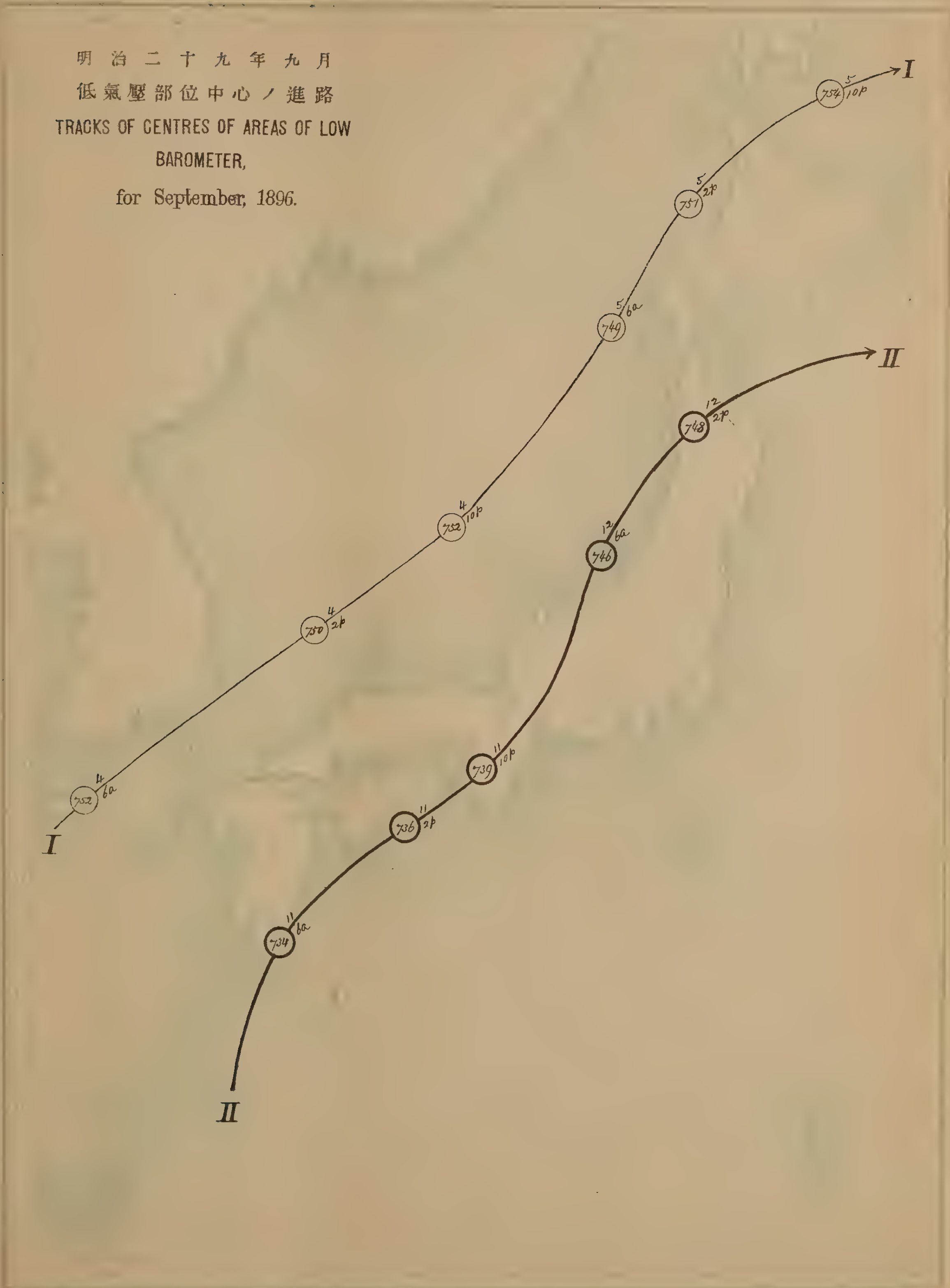
TRACKS OF CENTRES OF AREAS OF LOW BAROMETER,

for July, 1896.



明治二十九年八月
低氣壓部位中心ノ進路
TRACKS OF CENTRES OF AREAS OF LOW BAROMETER,
for August, 1896.

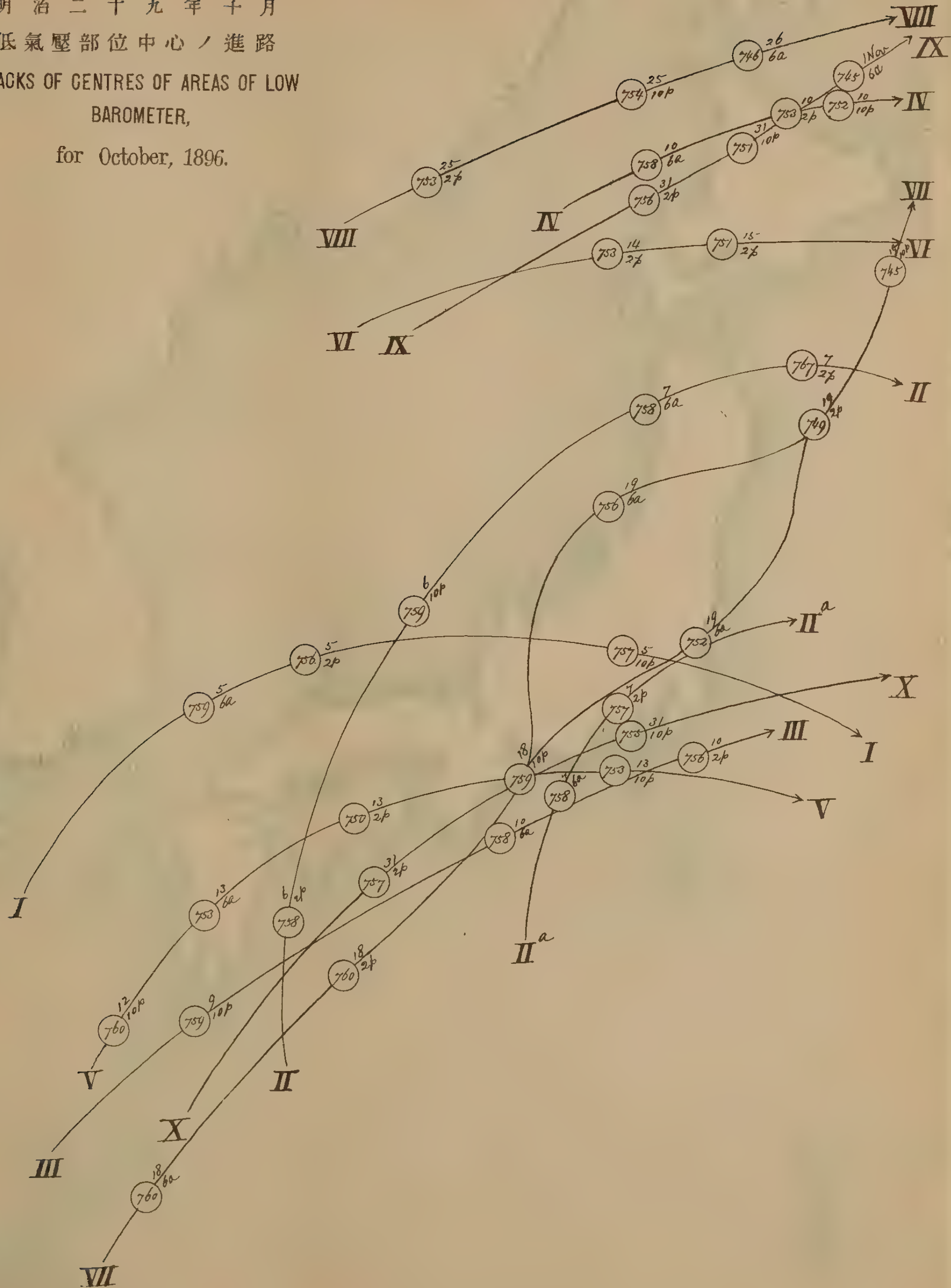



明治二十九年九月
低氣壓部位中心ノ進路
TRACKS OF CENTRES OF AREAS OF LOW
BAROMETER,
for September, 1896.
I
II

明治二十九年十月
低氣壓部位中心ノ進路

TRACKS OF CENTRES OF AREAS OF LOW BAROMETER,

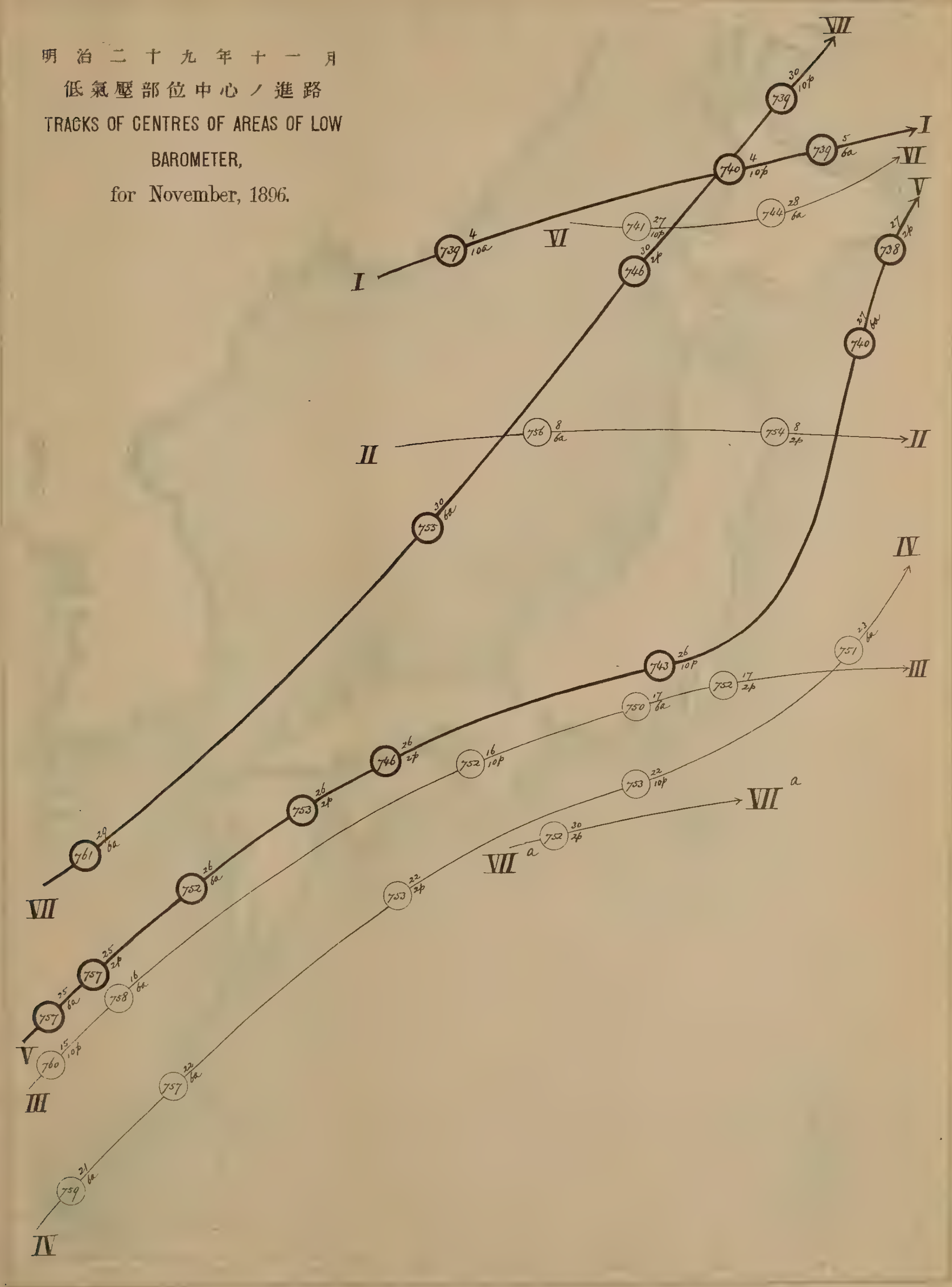
for October, 1896.



明治二十九年十一月
低氣壓部位中心ノ進路

TRACKS OF CENTRES OF AREAS OF LOW BAROMETER,

for November, 1896.

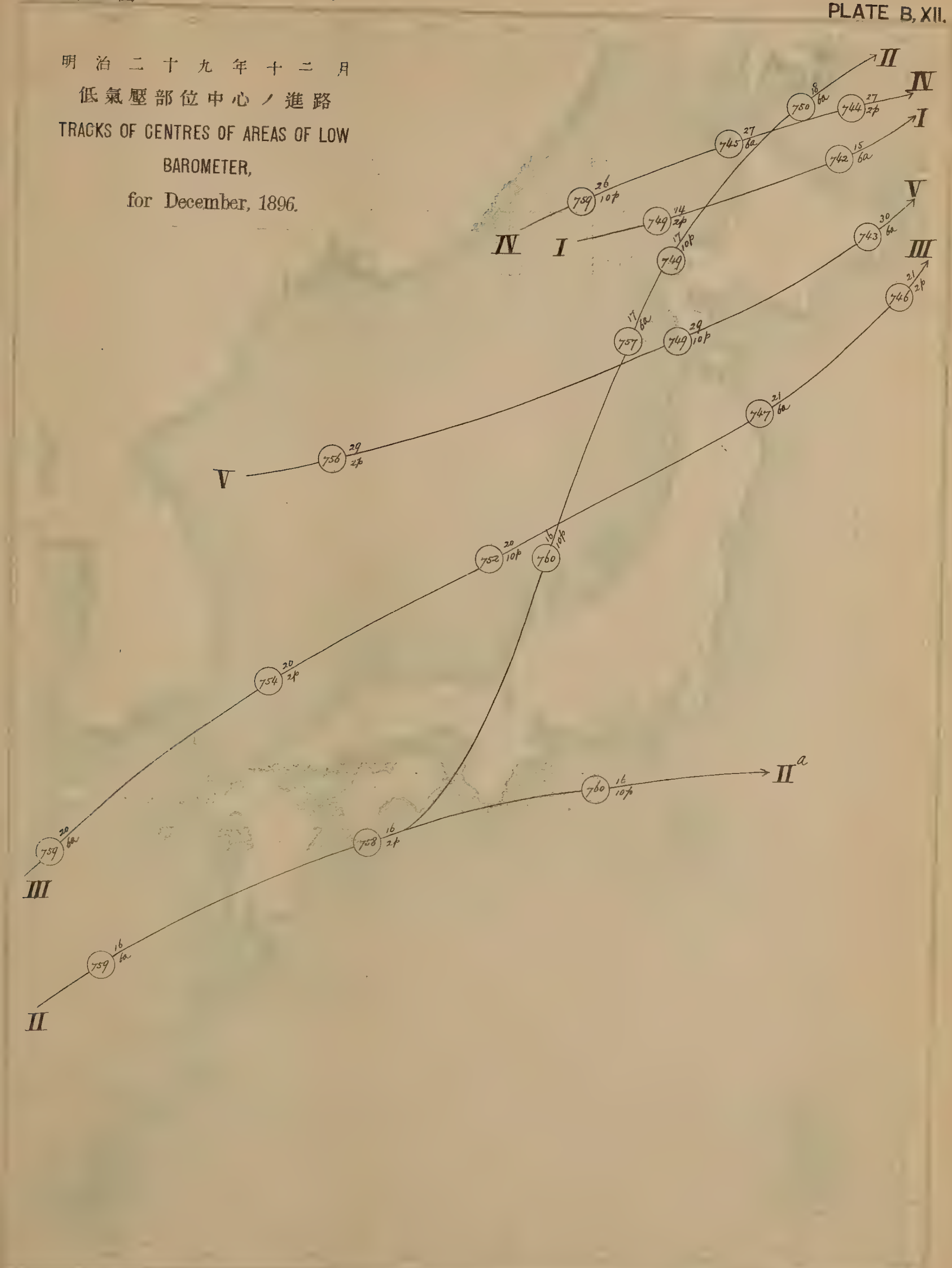


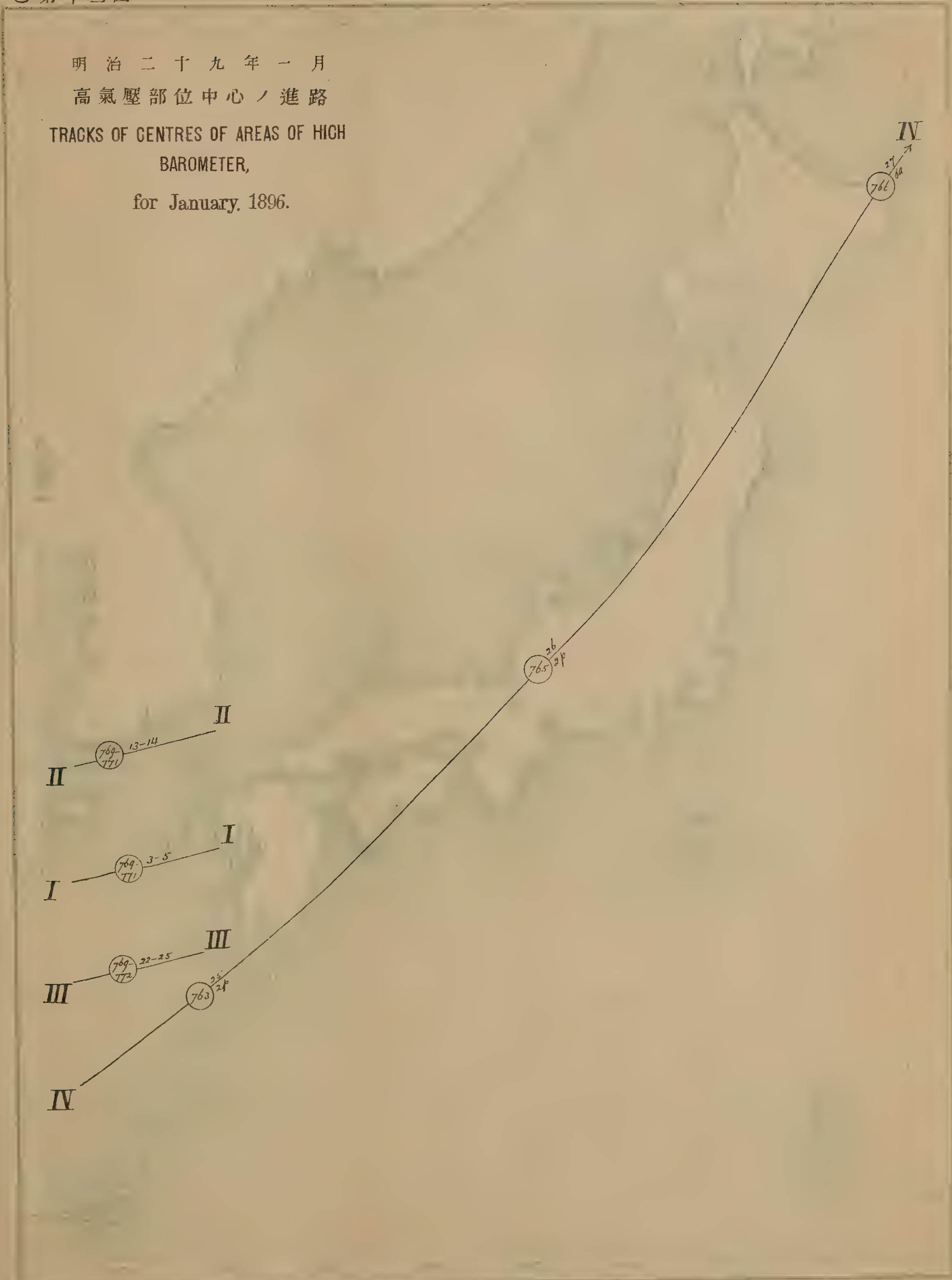
乙第十二圖

PLATE B, XII.

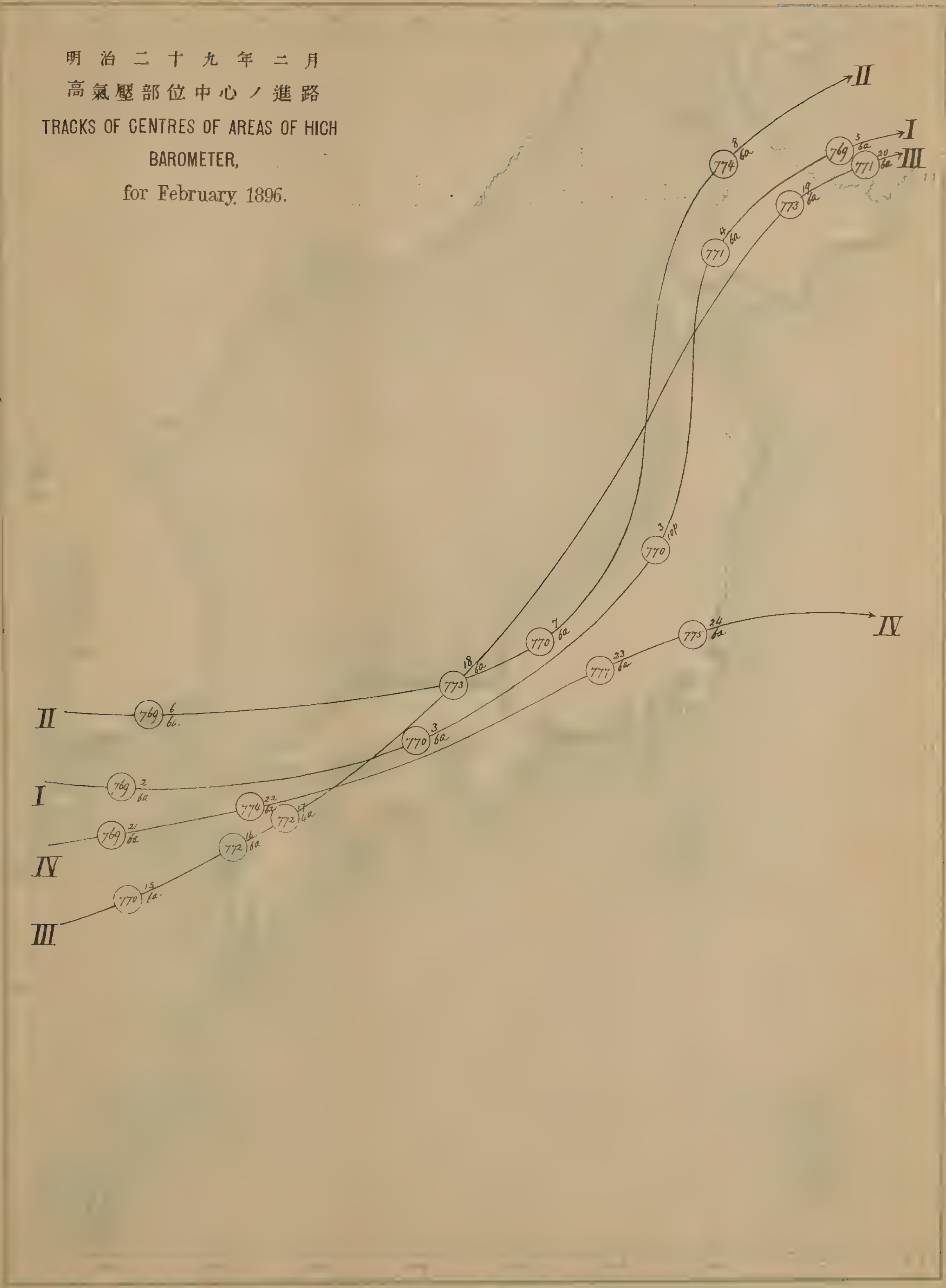
明治二十九年十二月
低氣壓部位中心ノ進路

TRACKS OF CENTRES OF AREAS OF LOW BAROMETER,
for December, 1896.

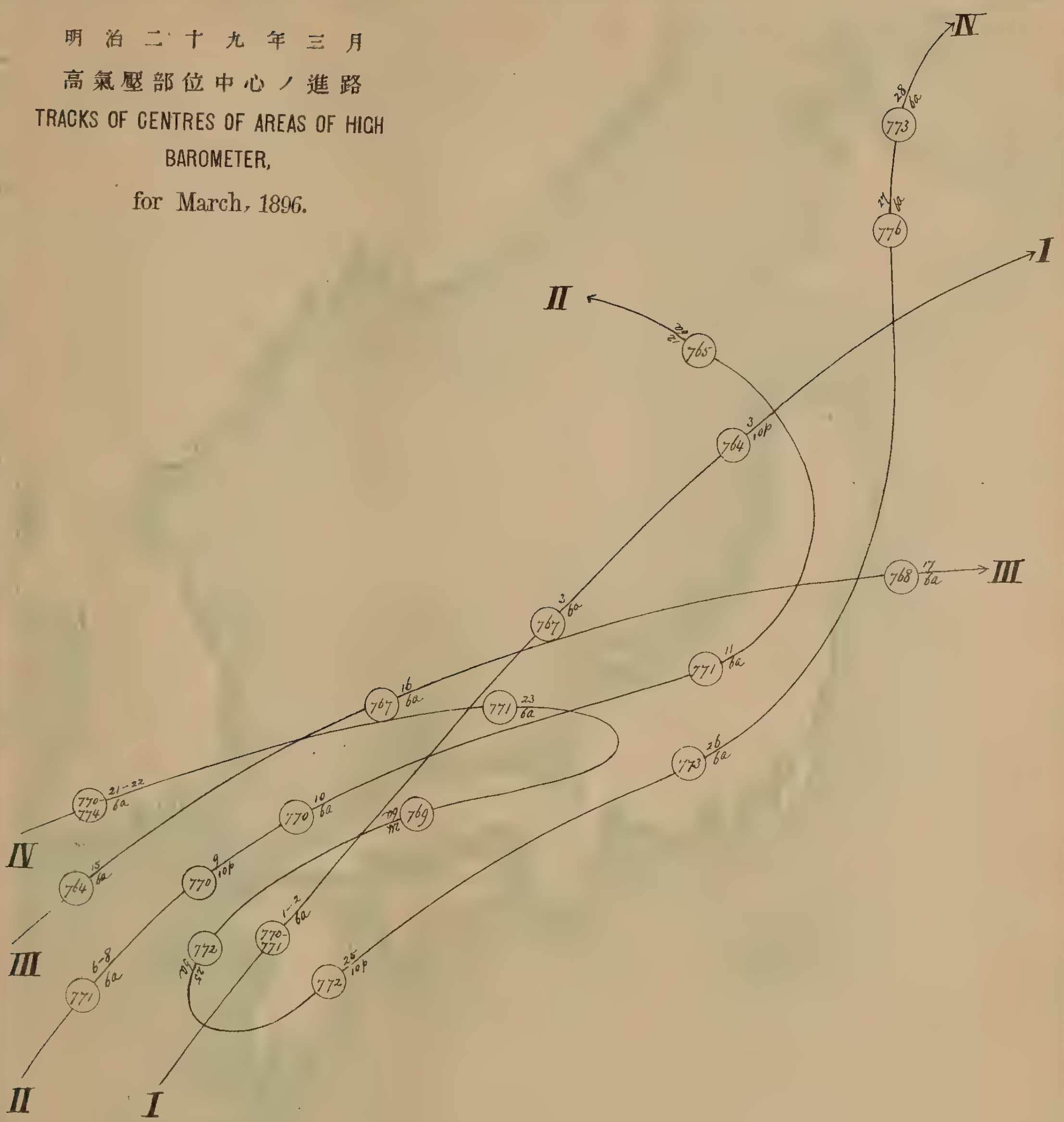



明治二十九年一月
高氣壓部位中心ノ進路
TRACKS OF CENTRES OF AREAS OF HIGH BAROMETER,
for January, 1896.
IV
766
765
II
769-771
13-14
I
769-771
3-5
III
769-772
22-25
763

明治二十九年二月
高氣壓部位中心ノ進路
TRACKS OF CENTRES OF AREAS OF HIGH BAROMETER,
for February 1896.



明治二十九年三月
高氣壓部位中心ノ進路
TRACKS OF CENTRES OF AREAS OF HIGH BAROMETER,
for March, 1896.

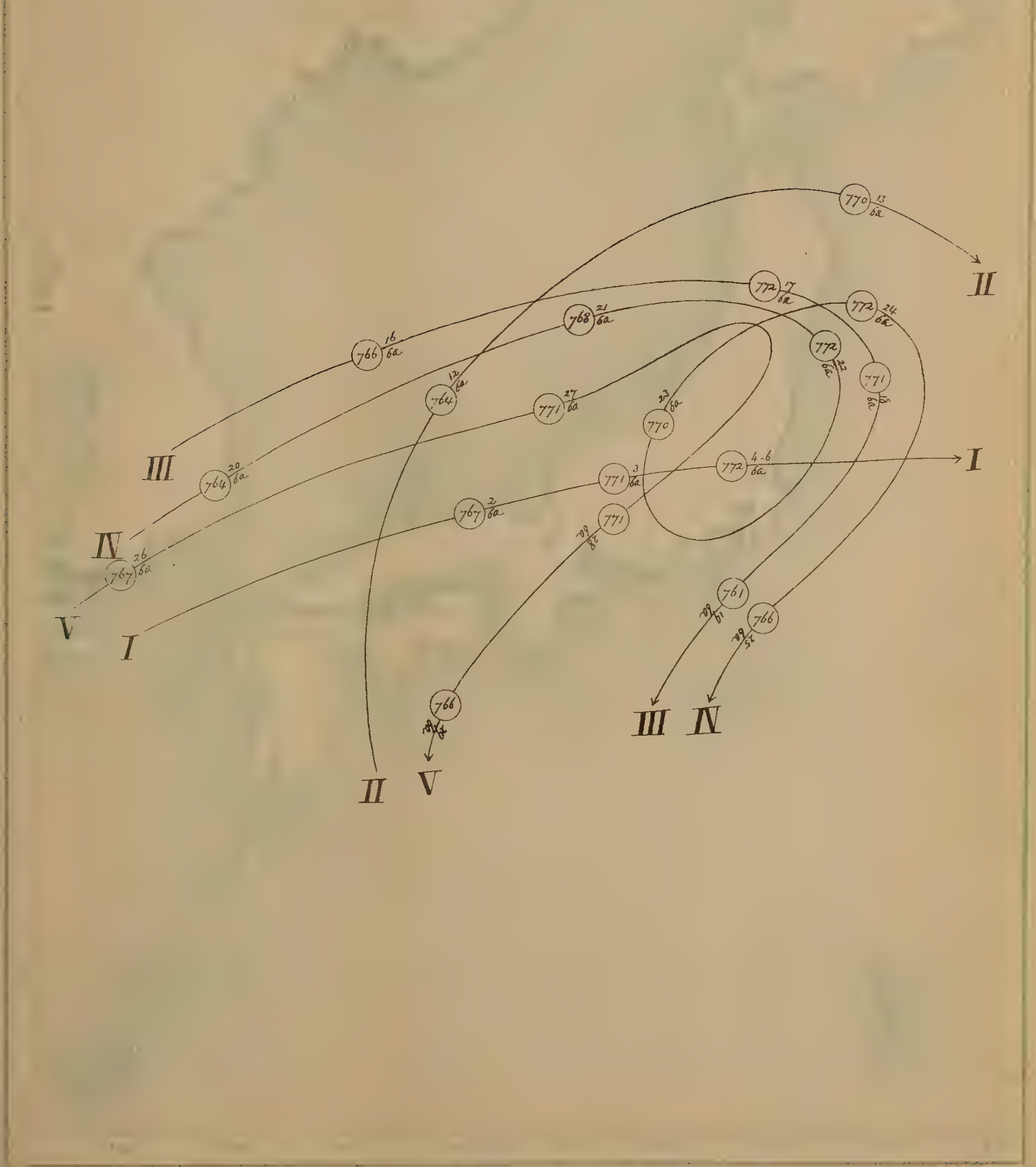


明治二十九年四月

高氣壓部位中心ノ進路

TRACKS OF CENTRES OF AREAS OF HIGH BAROMETER,

for April, 1896.



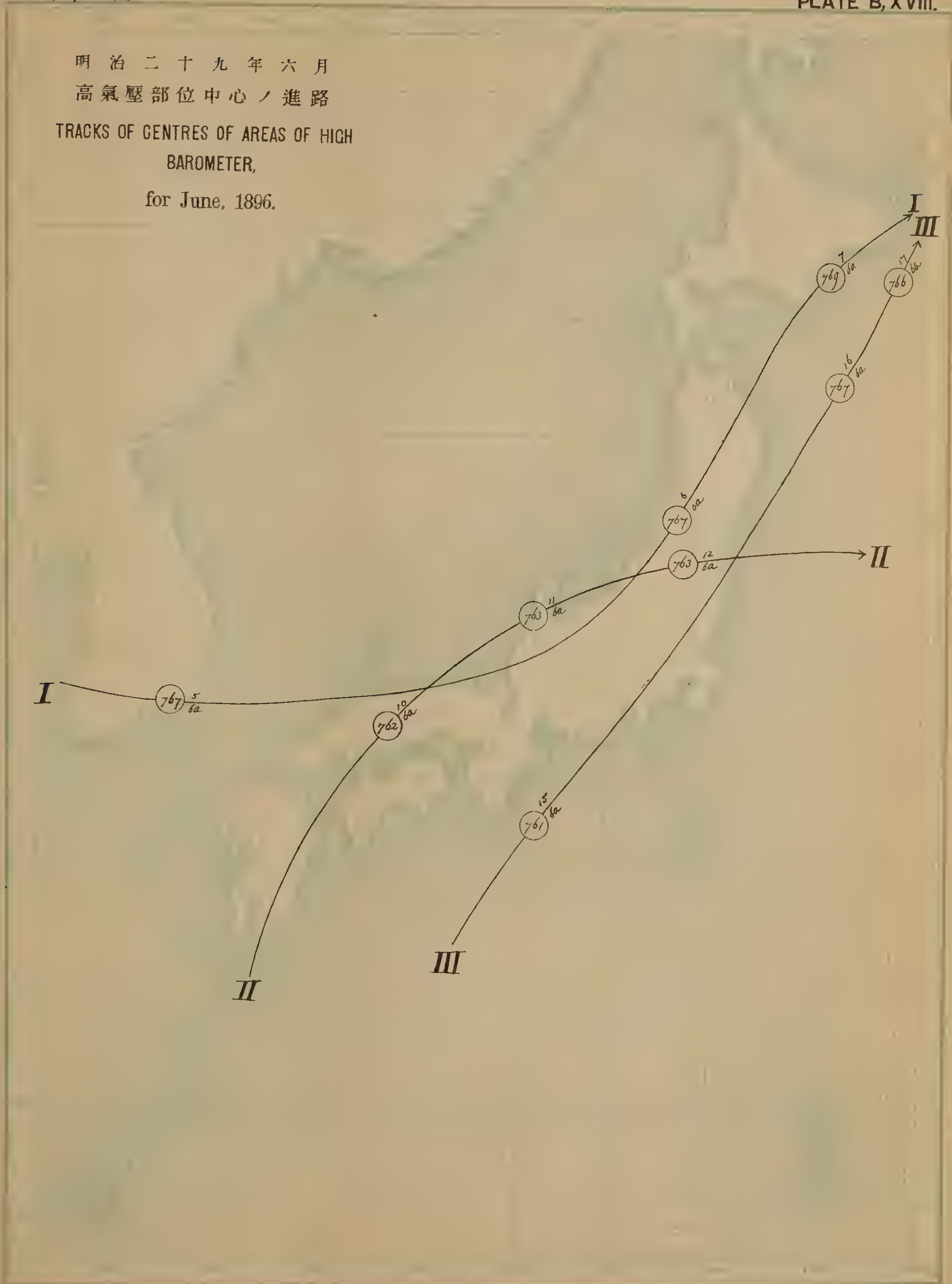
明治二十九年五月
高氣壓部位中心ノ進路

TRACKS OF CENTRES OF AREAS OF HIGH BAROMETER,

for May, 1896.

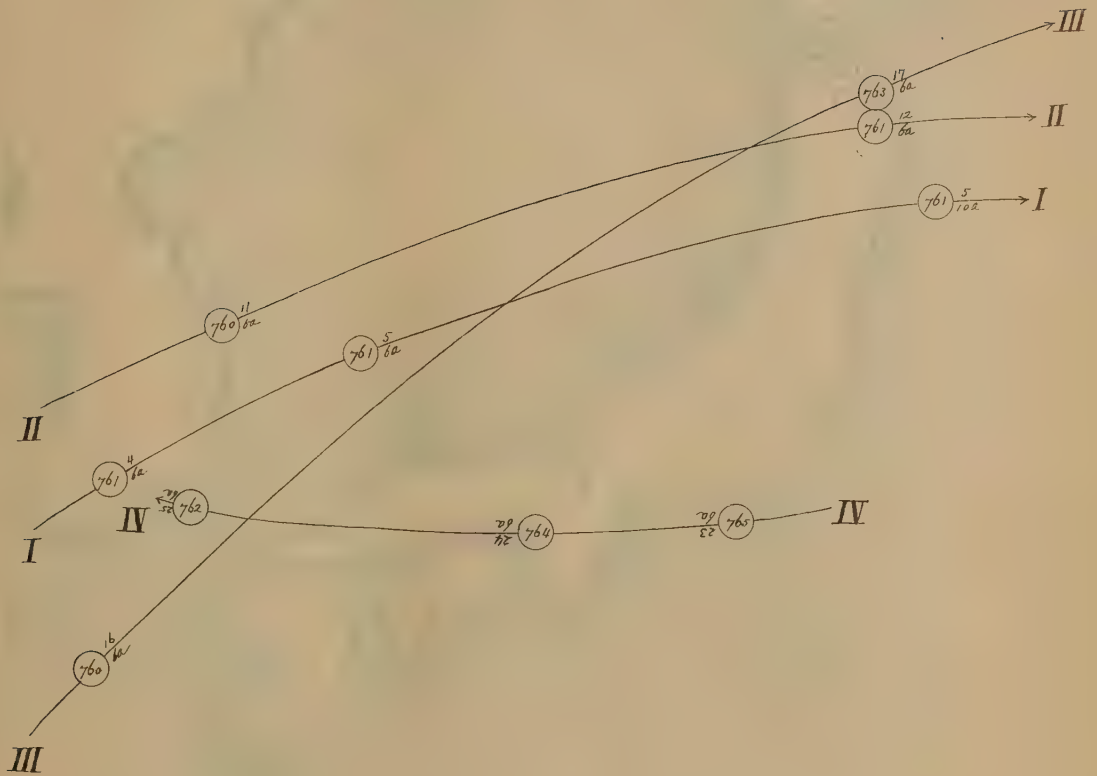


乙第十八圖 PLATE B, XVIII.



明治二十九年六月
高氣壓部位中心ノ進路
TRACKS OF CENTRES OF AREAS OF HIGH BAROMETER,
for June, 1896.

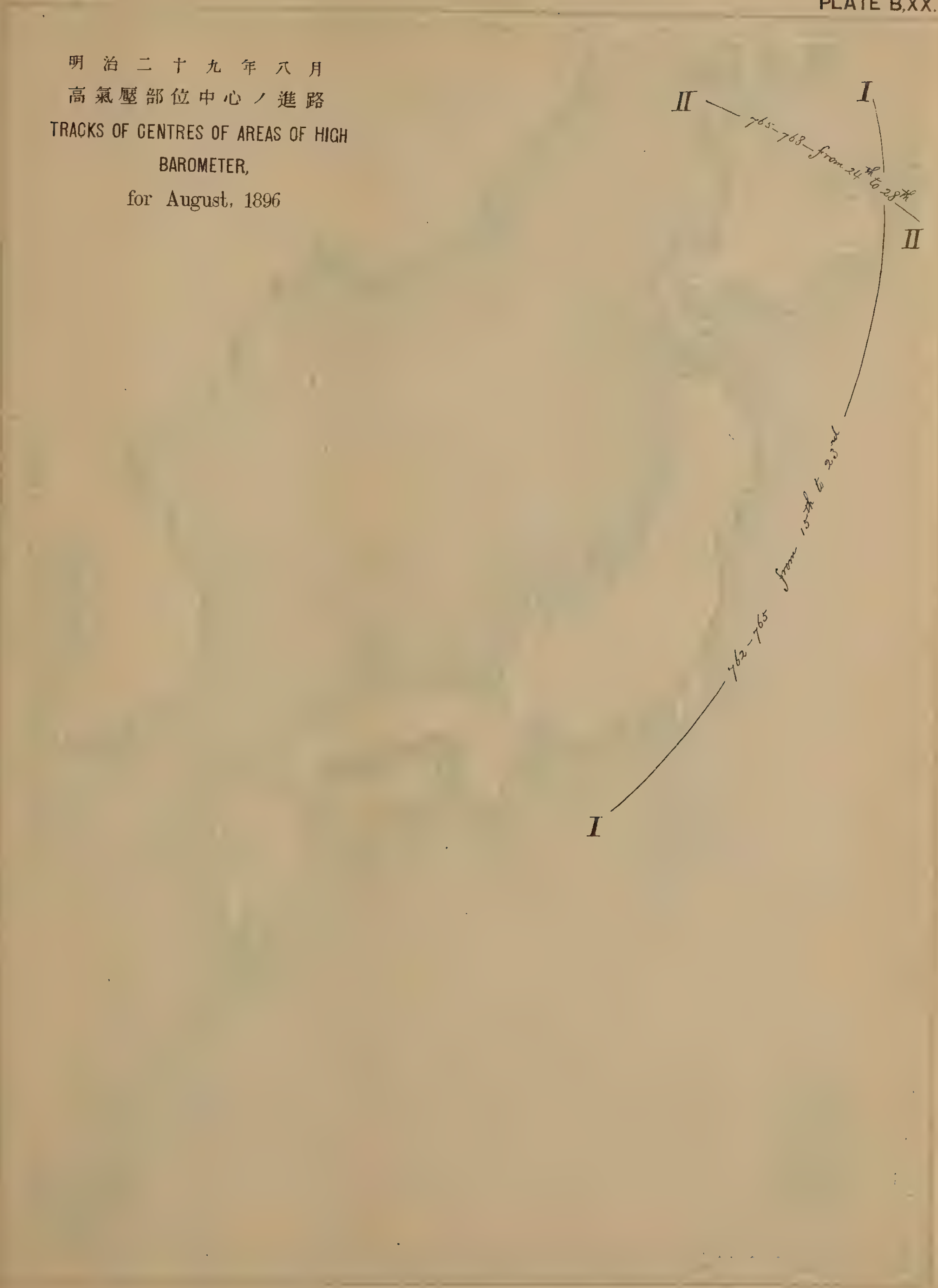
明治二十九年七月
高氣壓部位中心ノ進路
TRACKS OF CENTRES OF AREAS OF HIGH BAROMETER,
for July, 1896.



明治二十九年八月
高氣壓部位中心ノ進路

TRACKS OF CENTRES OF AREAS OF HIGH BAROMETER,

for August, 1896



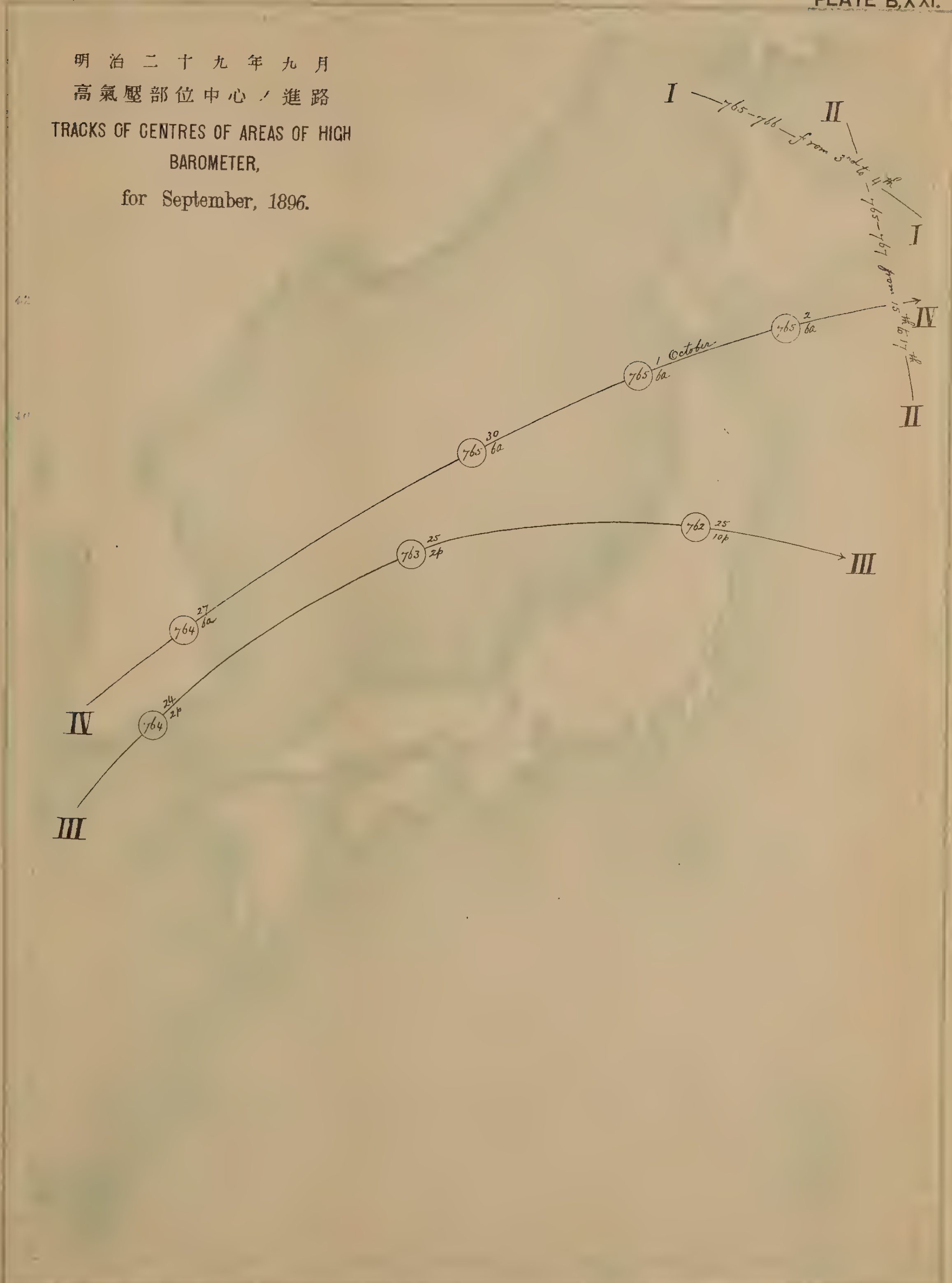
乙第廿一圖

PLATE B,XXI.

明治二十九年九月
高氣壓部位中心ノ進路

TRACKS OF CENTRES OF AREAS OF HIGH BAROMETER,

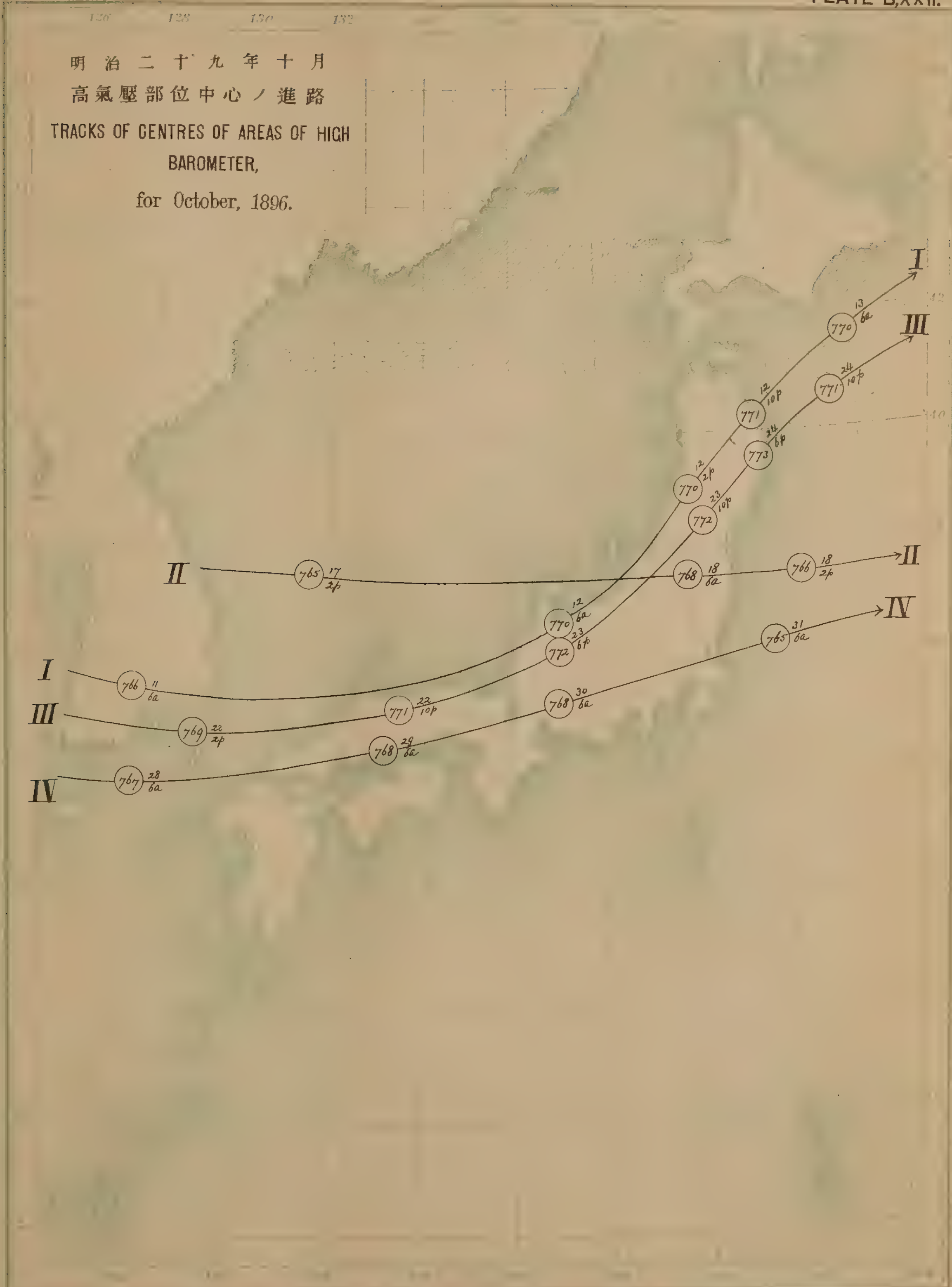
for September, 1896.



明治二十九年十月
高氣壓部位中心ノ進路

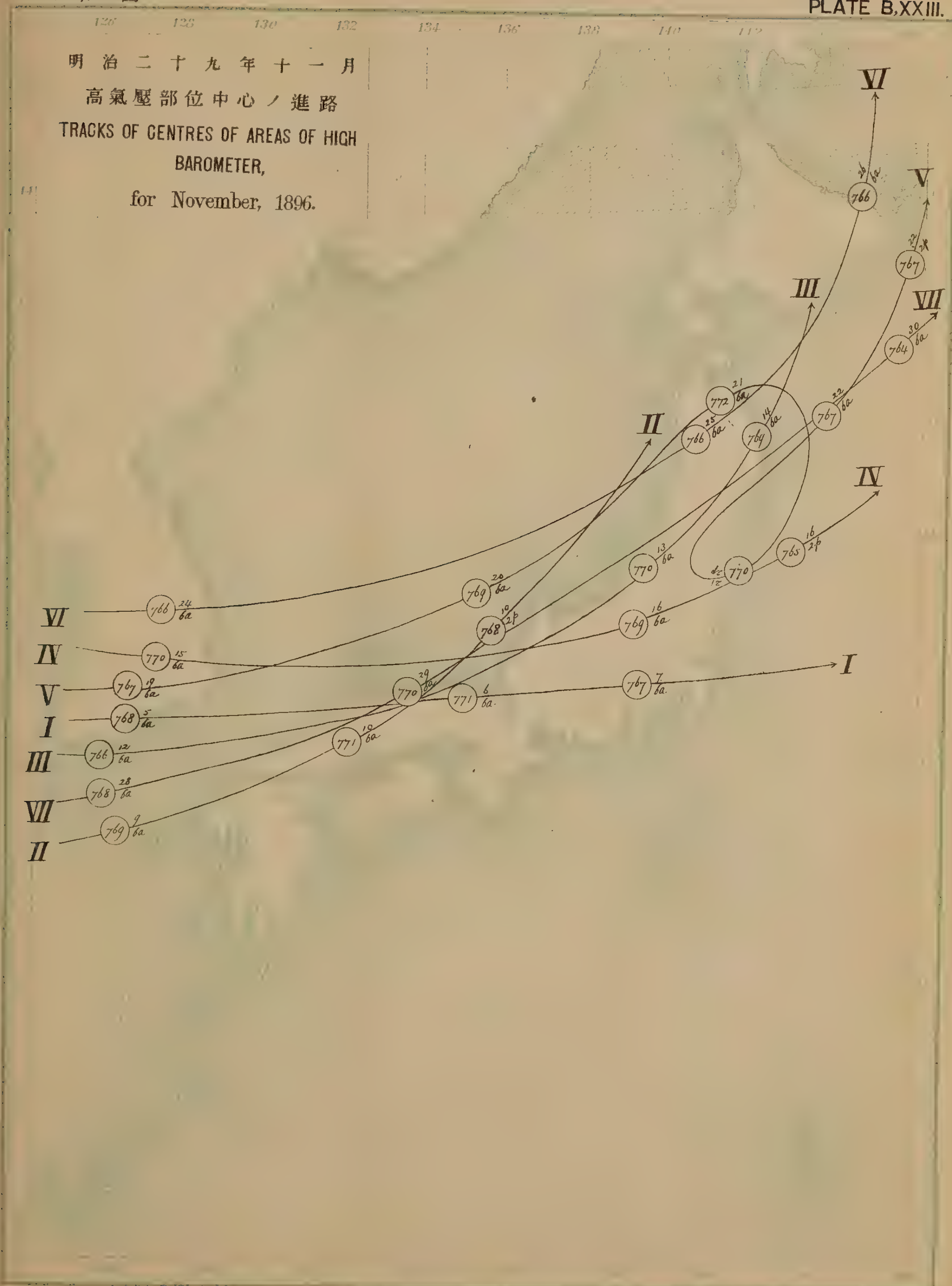
TRACKS OF CENTRES OF AREAS OF HIGH BAROMETER,

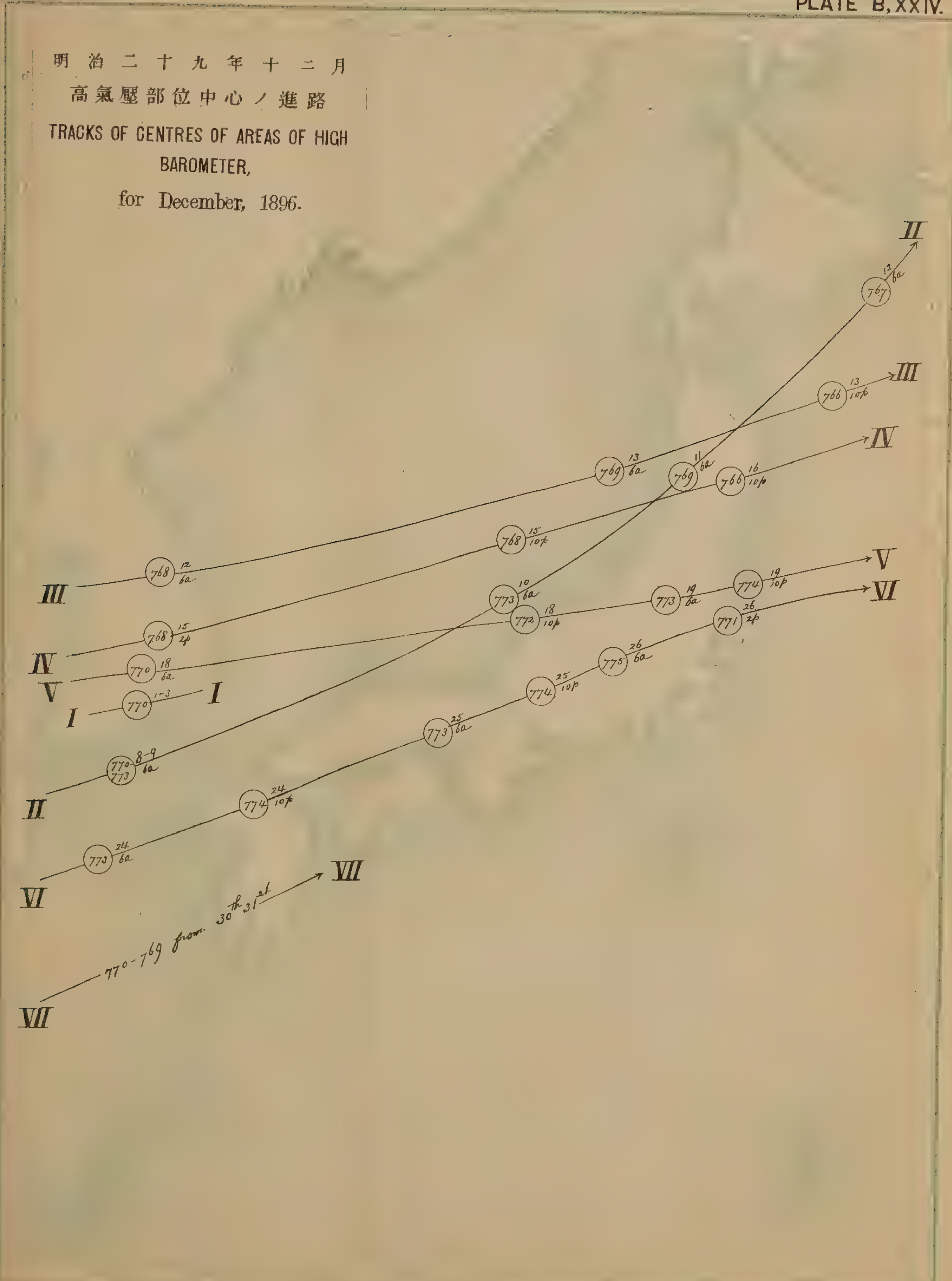
for October, 1896.



乙第廿三圖

PLATE B,XXIII.

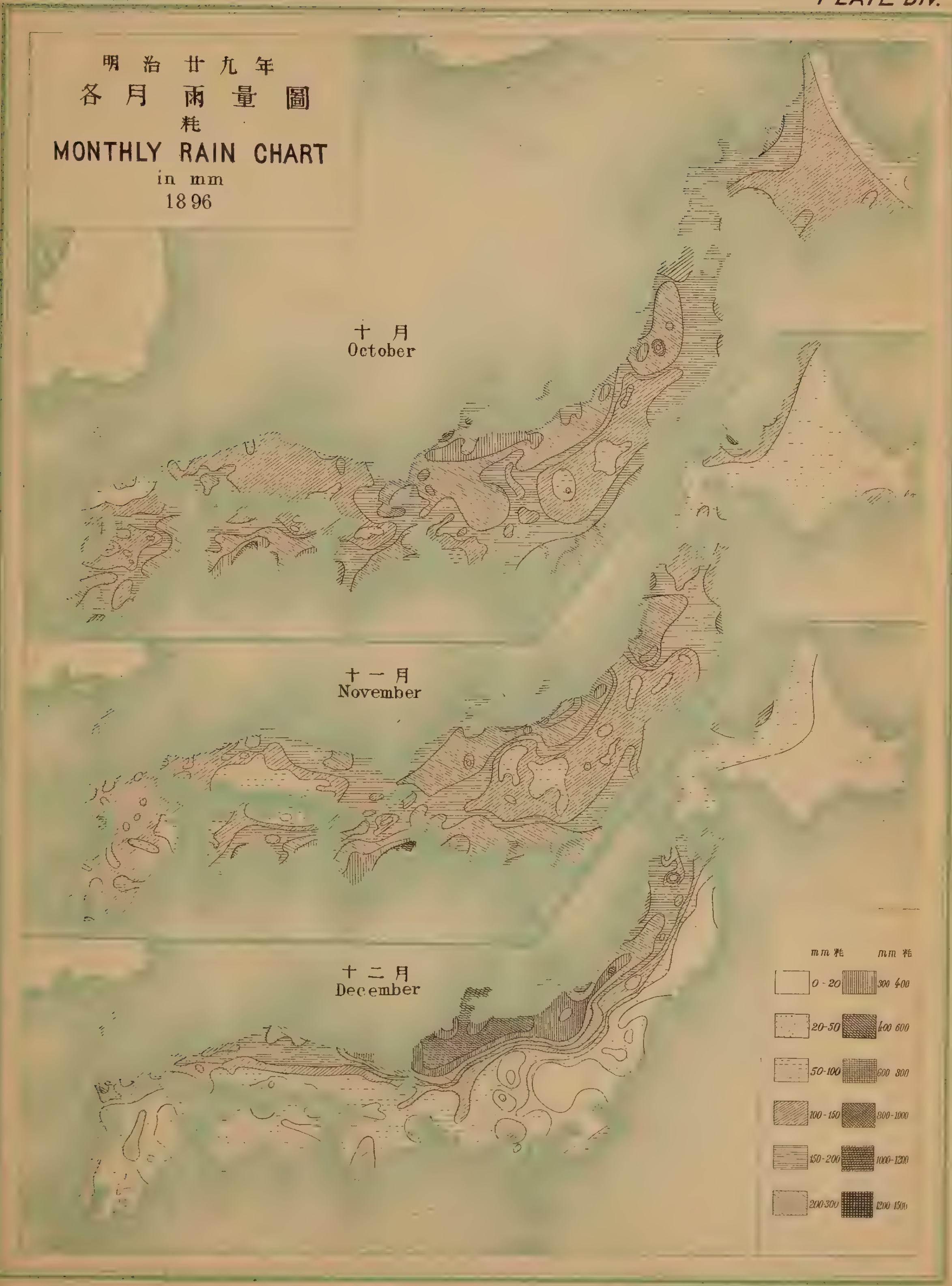



明治二十九年十二月
高氣壓部位中心ノ進路
TRACKS OF CENTRES OF AREAS OF HIGH BAROMETER,
for December, 1896.
I
II
III
IV
V
VI
VII
770° - 769 from 30th 31st


明治廿九年
各月雨量圖
粍
MONTHLY RAIN CHART
in mm
1896
一月
January
二月
February
三月
March
mm 粍
mm 粍
0-20
20-50
50-100
100-150
150-200
200-300
300-400
400-600
600 800
800 1000
1000-1200
1200-1500


明治廿九年
各月雨量圖
粍
MONTHLY RAIN CHART
in mm
1896
四月
April
五月
May
六月
June
mm 粍
mm 粍
0-20
20-50
50-100
100 150
150-200
200-300
300 400
400-600
600 800
800 1000
1000-1200
1200 1500

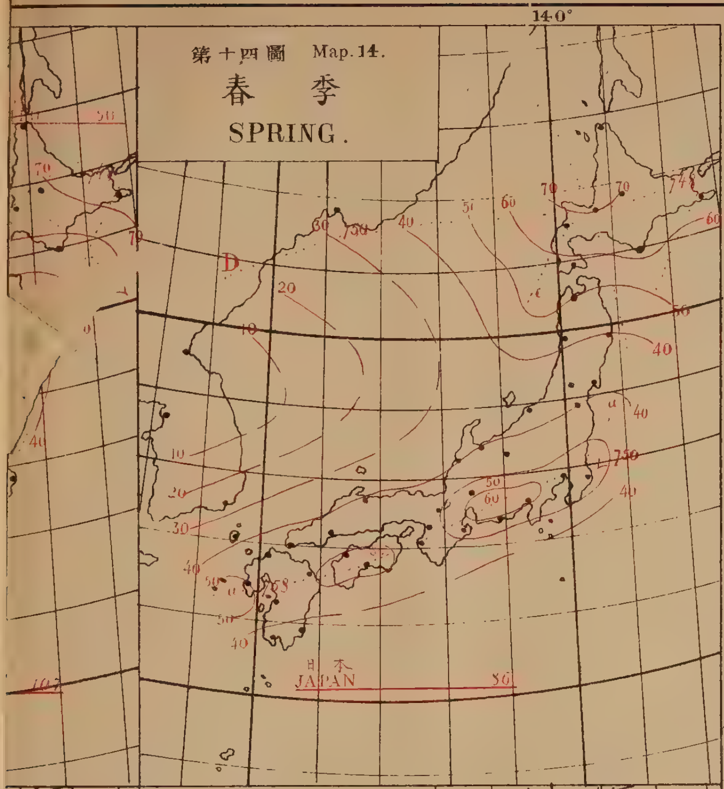

明治廿九年
各月雨量圖
粍
MONTHLY RAIN CHART
in mm
1896
七月
July
八月
August
九月
September
mm 粍
mm 粍
0-20
20-50
50-100
100-150
150-200
200-300
300-400
400 600
600 800
800-1000
1000-1200
1200-1500

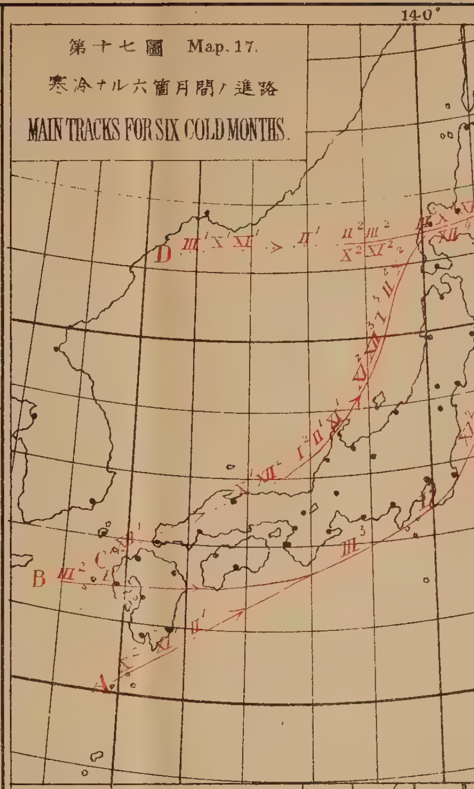

明治廿九年
各月雨量圖
粍
MONTHLY RAIN CHART
in mm
1896
十月
October
十一月
November
十二月
December
mm 粍
mm 粍
0 - 20
20-50
50-100
100 - 150
150 - 200
200-300
300 400
400 600
600 800
800-1000
1000-1200
1200 1500

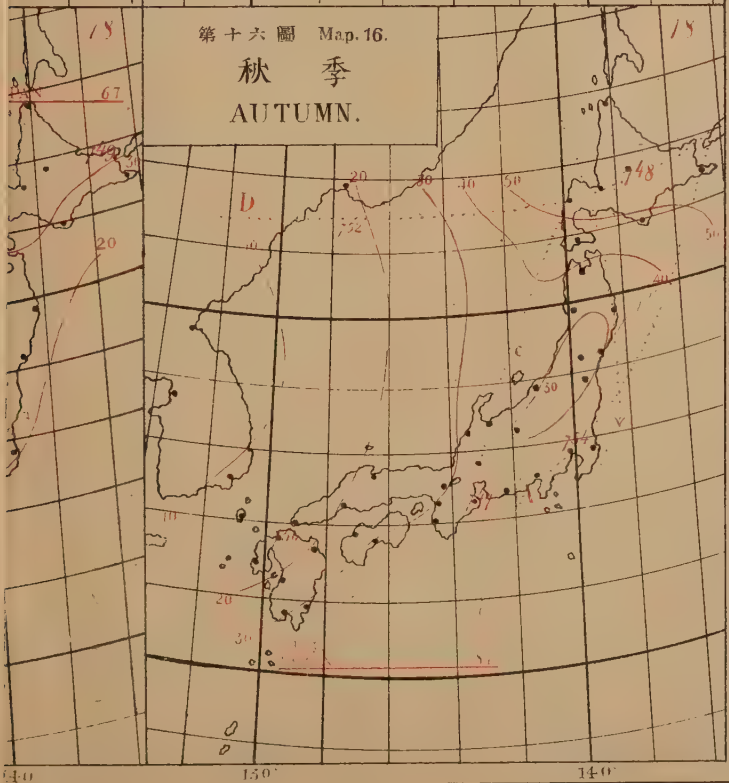

明治廿九年
全年雨量圖
粍
RAIN CHART
in m.m.
for
the year 1896.
< 600 mm. 粍
600-800 mm. 粍
800-1000 mm. 粍
1000-1200 mm. 粍
1200-1500 mm. 粍
1500-2000 mm. 粍
2000-2500 mm. 粍
2500-3000 mm. 粍
3000-3500 mm. 粍
3500-4000 mm. 粍
4000-5000 mm. 粍
5000 > mm. 粍

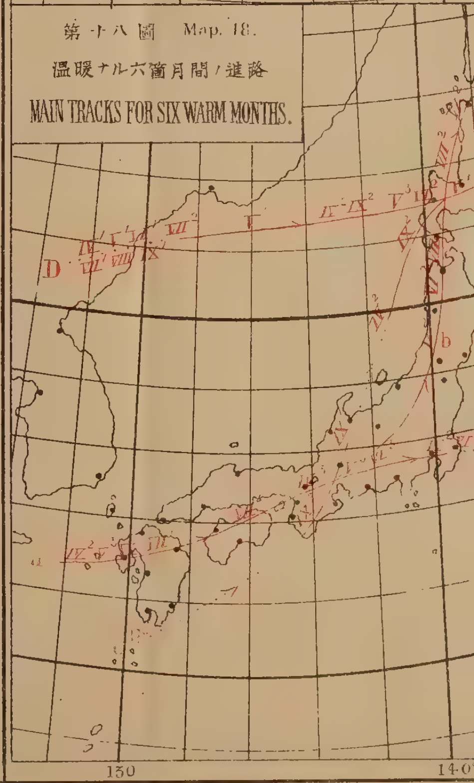

FREQUENCY OF EARTHQUAKES
for


of
1896
Earthquake of 9th January


第十四圖 Map. 14.
春季
SPRING.
日本
JAPAN
140°


第十七圖 Map. 17.
寒冷ナル六箇月間ノ進路
MAIN TRACKS FOR SIX COLD MONTHS.
140°


第十六圖 Map. 16.
秋季
AUTUMN.
130°
140°


第十八圖 Map. 18.
温暖ナル六箇月間ノ進路
MAIN TRACKS FOR SIX WARM MONTHS.
130
140°


SPECIAL EARTHQUAKE
of
1896
Earthquake of 31st August
Earthquake of 18th November
附 錄

明治三十一年六月十二日印刷
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